

# **SOUTH CAROLINA HAZARDOUS WASTE MANAGEMENT REGULATIONS**

**June 27, 2003**



**Promulgated Pursuant to Sections 48-1-10 et seq. and 44-56-30  
of the 1976 South Carolina Code of Laws**

**R. 61-79.270**

**Previously Amended June 28, 2002**  
(federal compliance)

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### **Note to Users**

This amendment to R.61-79 is effective June 27, 2003, superseding a June 28, 2002, amendment.

The federal equivalent to R. 61-79 is amended throughout the year. The State is required to adopt certain federal amendments to maintain authorization by the United States Environmental Protection Agency for the State Hazardous Waste Management Program.

This State amendment reflects federal amendments published in the Federal Register prior to June 30, 2002. Recent amendments include: a clarifying revision to the Mixture and Derived-From Rules; new listings for three inorganic chemical manufacturing wastes including additional toxic constituents and treatment standards for the wastes; amendments to the Corrective Action Management Unit rule to facilitate cleanup; and deletion of regulatory language vacated by two federal court actions for some mineral processing secondary materials and the application of the Toxicity Characteristic Leaching Procedure to manufactured gas plant wastes. In addition, the Bureau will make amendments to the Hazardous Air Pollutant Standards for Combustors.

All DHEC regulations are available from the  
Freedom of Information Office - Call (803) 898-3882

For further information about the State's hazardous waste regulations,  
contact (803) 896-4174

This copy of the regulation is provided by the Department of Health and Environmental Control (Department) for the convenience of the public. While every effort has been made to ensure its accuracy and completeness, it is not the official text. The Department reserves the right to withdraw or correct the text if deviations are found from the official text as published in the State Register.

<b>Note to Users.....</b>	<b>2</b>
<b>270 - ADMINISTERED PERMIT PROGRAMS; THE HAZARDOUS WASTE PERMIT PROGRAM ...</b>	<b>5</b>
<i>Subpart A - GENERAL INFORMATION .....</i>	<i>5</i>
270.1 Purpose and scope of these regulations.....	5
270.2 Definitions.....	7
270.3 Considerations under Federal law .....	10
270.4 Effect of a permit .....	10
270.5 [Reserved] .....	10
270.6 References .....	11
<i>Subpart B - PERMIT APPLICATION .....</i>	<i>11</i>
270.10 General application requirements.....	11
270.11 Signatories to permit applications and reports .....	12
270.12 Confidentiality of information .....	13
270.13 Contents of Part A of the permit application.....	13
270.14 Contents of Part B: General requirements.....	14
270.15 Specific Part B information requirements for containers.....	18
270.16 Specific Part B information requirements for tank systems (11/90) .....	19
270.17 Specific Part B information requirements for surface impoundments .....	19
270.18 Specific Part B information requirements for waste piles.....	20
270.19 Specific Part B information requirements for incinerators.....	21
270.20 Specific Part B information requirements for land treatment facilities.....	22
270.21 Specific Part B information requirements for landfills .....	24
270.22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste (12/94).....	24
270.23 Specific Part B information requirements for miscellaneous units.....	27
270.24 Specific Part B information requirements for process vents (12/92) .....	27
270.25 Specific Part B information requirements for equipment (12/92).....	28
270.26 Specific Part B information requirements for drip pads (12/92) .....	29
270.27 Specific Part B information requirements for air emission controls for tanks, surface impoundments, and containers (9/98).....	29
270.28 Part B information requirements for postclosure permits. ....	30
270.29 Permit denial (12/92).....	30
<i>Subpart C - PERMIT CONDITIONS .....</i>	<i>30</i>
270.30 Conditions applicable to all permits.....	30
270.31 Requirements for recording and reporting of monitoring results.....	32
270.32 Establishing permit conditions .....	32
270.33 Schedules of compliance .....	32
<i>Subpart D - CHANGES TO PERMIT.....</i>	<i>33</i>
270.40 Transfer of permits (6/97) .....	33
270.41 Modification or revocation and reissuance of permits (6/97) .....	34
270.42 Permit modification at the request of the permittee (5/93, 6/97) .....	34
Appendix I to 270.42 - Classification of Permit Modification.....	39
270.43 Termination of permits.....	44
<i>Subpart E - EXPIRATION AND CONTINUATION OF PERMITS.....</i>	<i>44</i>
270.50 Duration of permits .....	44
270.51 Continuation of expiring permits .....	44
<i>Subpart F - SPECIAL FORMS OF PERMITS .....</i>	<i>44</i>
270.60 Permits by rule .....	44
270.61 Emergency permits.....	45
270.62 Hazardous waste incinerator permits (5/93).....	45
270.63 Permits for land treatment demonstrations using field test or laboratory analyses .....	48

270.64 [Reserved]	49
270.65 Research Development, and Demonstration Permits	49
270.66 Permits for boilers and industrial furnaces burning hazardous waste (12/95; 5/96)	49
270.67 [Reserved]	52
270.68 Remedial Action Plans (RAPs)	52
270.69 [Reserved]	52
<i>Subpart G - INTERIM STATUS</i>	52
270.70 Qualifying for interim status	52
270.71 Operation during interim status	53
270.72 Changes during interim status	53
270.73 Termination of interim status (11/90)	54
<i>Subpart H - REMEDIAL ACTION PLANS</i>	55
270.79 Why is this subpart written in a special format?	55
270.80 What is a RAP?	55
270.85 When do I need a RAP?	55
270.90 Does my RAP grant me any rights or relieve me of any obligations?	55
270.95 How do I apply for a RAP?	56
270.100 Who must obtain a RAP?	56
270.105 Who must sign the application and any required reports for a RAP?	56
270.110 What must I include in my application for a RAP?	56
270.115 What if I want to keep this information confidential?	56
270.120 To whom must I submit my RAP application?	56
270.125 If I submit my RAP application as part of another document, what must I do?	56
270.130 What is the process for approving or denying my application for a RAP?	57
270.135 What must the Department include in a draft RAP?	57
270.140 What else must the Department prepare in addition to the draft RAP or notice of intent to deny?	57
270.145 What are the procedures for public comment on the draft RAP or notice of intent to deny?	57
270.150 How will the Department make a final decision on my RAP application?	58
270.155 May the decision to approve or deny my RAP application be administratively appealed?	58
270.160 When does my RAP become effective?	59
270.165 When may I begin physical construction of new units permitted under the RAP?	59
270.170 After my RAP is issued, how may it be modified, revoked and reissued, or terminated?	59
270.175 For what reasons may the Department choose to modify my final RAP?	59
270.180 For what reasons may the Department choose to revoke and reissue my final RAP?	60
270.185 For what reasons may the Department choose to terminate my final RAP, or deny my renewal application?	60
270.190 May the decision to approve or deny a modification, revocation and reissuance, or termination of my RAP be administratively appealed?	60
270.195 When will my RAP expire?	60
270.200 How may I renew my RAP if it is expiring?	60
270.205 What happens if I have applied correctly for a RAP renewal but have not received approval by the time my old RAP expires?	60
270.210 What records must I maintain concerning my RAP?	60
270.215 How are time periods in the requirements in this subpart and my RAP computed?	60
270.220 How may I transfer my RAP to a new owner or operator?	61
270.225 What must the State report about noncompliance with RAPs?	61
270.230 May I perform remediation waste management activities under a RAP at a location removed from the area where the remediation wastes originated?	61
<i>Subpart I - Integration with Maximum Achievable Control Technology (MACT) Standards (6/03)</i>	62
270.235 Options for incinerators and cement and lightweight aggregate kilns to minimize emissions from startup, shutdown, and malfunction events.	62

## 270 - ADMINISTERED PERMIT PROGRAMS; THE HAZARDOUS WASTE PERMIT PROGRAM

### Subpart A - GENERAL INFORMATION

#### 270.1 Purpose and scope of these regulations

(a) Coverage.

(1) The regulations in this part cover basic permitting requirements, such as application

requirements, standard permit conditions, and monitoring and reporting requirements. These regulations are part of a regulatory scheme implementing RCRA in the State of South Carolina, as set forth in different parts of the South Carolina Hazardous Waste Management Regulations (SCHWMR). The following chart indicates where the regulations implementing RCRA appear in the SCHWMR. (12/92; 12/93)

Section of RCRA	Coverage	Final regulation as appears in R.61-79
Subtitle C	Overview and definitions	260
3001	Identification and listing of hazardous waste	261
3002	Generators of hazardous waste	262
3003	Transporters of hazardous waste	263
3004	Standards for HWM facilities	264, 265, and .266
3005	Permit requirements for HWM facilities	270 and 124
3010	Preliminary notification of HWM activity	44-56-120; 45 FR 12746 2/26/80

(2) Technical regulations. The permit program under these regulations has separate additional regulations that contain technical requirements. These separate regulations are used by the Department to determine what requirements must be placed in permits if they are issued. These separate regulations are located in 264, 266. (12/93)

(b) Overview of the Permit Program. Not later than 90 days after the promulgation or revision of regulations in part 261 (identifying and listing hazardous wastes) generators and transporters of hazardous waste, and owners or operators of hazardous waste treatment, storage, or disposal facilities may be required to file a notification of that activity under South Carolina section 44-56-60 and section 3010 of RCRA. Six months after the initial promulgation of the 261 regulations, transporting, treatment, storage, or disposal of hazardous waste by any person who has not applied for or received a permit under these regulations is prohibited. A permit application for a facility consists of two parts, Part A (see section 270.13) and Part B (see section 270.14 and applicable sections in 270.15 through 270.29). For "existing HWM facilities," the requirement to submit an application is satisfied by submitting only Part A of the permit application until the date the Department sets for submitting Part B of the application. (Part A consists of Forms 1 and 3 of the Consolidated Permit Application Forms.) Timely submission of both notification under 44-56-60 and

under section 3010 and Part A qualifies owners and operators of existing HWM facilities (who are required to have a permit under these regulations) for interim status under SC 44-56-60 and 3005(e) of RCRA. Facility owners and operators with interim status are treated as having been issued a permit until the Department makes a final determination on the permit application. Facility owners and operators with interim status must comply with interim status standards set forth at 265 and .266. Facility owners and operators with interim status are not relieved from complying with other State requirements. For existing HWM facilities, the Department shall set a date, giving at least six months notice, for submission of Part B of the application. There is no form for Part B of the application; rather, Part B must be submitted in narrative form and contain the information set forth in the applicable Sections 270.14 through 270.29. Owners or operators of new HWM facilities must submit parts A and B of the permit application at least 180 days before physical construction is expected to commence. (12/92; 12/93)

(c) Scope of the Permit Requirement.

The Department requires a permit under these regulations for the "transportation," "treatment," "storage," or "disposal" of any "hazardous waste" as identified or listed in 261. The terms "transportation," "treatment," "storage," "disposal," and "hazardous waste" are defined in 260 Subpart B and 270.2. Owners and operators of hazardous waste

management units must have permits during the active life (including the closure period) of the unit. Owners or operators of surface impoundments, landfills, land treatment units, and waste pile units that received wastes after July 26, 1982, or that certified closure (according to 265.115) after January 26, 1983, must have postclosure permits unless they demonstrate closure by removal or decontamination as provided under 270.1(c) (5) and (6). If a postclosure permit is required, the permit must address applicable part 264 groundwater monitoring, unsaturated zone monitoring, corrective action, and postclosure care requirements of this chapter. The denial of a permit for the active life of a hazardous waste management facility or unit does not affect the requirement to obtain a postclosure permit under this section. (11/90; 12/92; 12/93; 8/00)

(1) Specific inclusions. Owners and operators of certain facilities require hazardous waste permits under these regulations as well as permits under other programs for certain aspects of the facility operation. Hazardous waste permits under these regulations are required for: (12/93)

(i) Injection wells that dispose of hazardous waste, and associated surface facilities that treat, store or dispose of hazardous waste, (see 270.64). However, the owner and operator with a state approved UIC permit will be deemed to have a hazardous waste permit under these regulations for the injection well itself if they comply with the requirements of Section 270.60(b). (12/93)

(ii) Treatment, storage, or disposal of hazardous waste at facilities requiring an NPDES permit. However, the owner and operator of a publicly owned treatment works receiving hazardous waste will be deemed to have a hazardous waste permit under these regulations for that waste if they comply with the requirements of 270.60(c) (permit-by-rule for POTWs). (12/92; 12/93)

(iii) Barges or vessels that dispose of hazardous waste by ocean disposal and on shore hazardous waste treatment or storage facilities associated with an ocean disposal operation. However, the owner and operator will be deemed to have a hazardous waste permit for ocean disposal from the barge or vessel itself if they comply with the requirements of Section 270.60(a) (permit-by-rule for ocean disposal barges and vessels). (12/92; 12/93)

(2) Specific exclusions. The following persons are among those who are not required to obtain a permit under these regulations: (12/93)

(i) Generators who accumulate hazardous waste onsite for less than the time periods provided in 262.34.

(ii) Farmers who dispose of hazardous waste pesticides from their own use as provided in 262.70. (11/90)

## **270.1 Purpose and scope of these regulations**

(iii) Persons who own or operate facilities solely for the treatment, storage or disposal of hazardous waste excluded from regulations under this Part by 261.4 or 261.5 (small generator exemption).

(iv) Owners or operators of totally enclosed treatment facilities as defined in 260.10.

(v) Owners and operators of elementary neutralization units or wastewater treatment units as defined in 260.10.

(vi) Transporters storing manifested shipments of hazardous waste in containers meeting the requirements of 262.30 at a transfer facility for a period of ten days or less.

(vii) Persons adding absorbent material to waste in a container (as defined in 260.10) and persons adding waste to absorbent material in a container, provided that these actions occur at the time waste is first placed in the container; and 264.17(b), 264.171, and 264.172 are complied with. (12/93)

(viii) Universal waste handlers and universal waste transporters (as defined in 260.10) managing the wastes listed below. These handlers are subject to regulation under 273. (5/96)

(A) Batteries as described in 273.2;

(B) Pesticides as described in 273.3;

(8/00)

(C) Thermostats as described in 273.4

and (8/00)

(D) Lamps as described in 273.5. (8/00)

(ix) Any transporter who does not accept or deliver any hazardous waste within the State. (5/96)

(x) Any transporter who moves hazardous waste only on the site of a hazardous waste generator or a permitted hazardous waste treatment, storage or disposal facility.

(3) Further exclusions.

(i) A person is not required to obtain a permit under these regulations for treatment or containment activities taken during immediate response to any of the following situations: (12/93)

(A) A discharge of a hazardous waste;

(B) An imminent and substantial threat of a discharge of hazardous waste;

(C) A discharge of a material which, when discharged, becomes a hazardous waste.

(D) An immediate threat to human health, public safety, property, or the environment from the known or suspected presence of military munitions, other explosive material, or an explosive device, as determined by an explosive or munitions emergency response specialist as defined in 260.10. (9/98)

(ii) Any person who continues or initiates hazardous waste treatment or containment activities after the immediate response is over is subject to all applicable requirements of these Regulations for those activities.

(iii) In the case of emergency responses involving military munitions, the responding military emergency response specialist's organizational unit must retain records for three years identifying the dates of the response, the responsible persons responding, the type and description of material addressed, and its disposition. (9/98)

(4) Permits for less than an entire facility. The Department may issue or deny a permit for one or more units at a facility without simultaneously issuing or denying a permit to all of the units at the facility. The interim status of any unit for which a permit has not been issued or denied is not affected by the issuance or denial of a permit to any other unit at the facility.

(5) Closure by removal. (11/90)  
Owners/operators of surface impoundments, land treatment units, and waste piles closing by removal or decontamination under part 265 standards must obtain a postclosure permit unless they can demonstrate to the Department that the closure met the standards for closure by removal or decontamination in 264.228, 264.280(e), or 264.258, respectively. The demonstration may be made in the following ways:

(i) If the owner/operator has submitted a Part B application for a postclosure permit, the owner/operator may request a determination, based on information contained in the application, that section 264 closure by removal standards were met. If the Department believes that 264 standards were met, it will notify the public of this proposed decision, allow for public comment, and reach a final determination according to the procedures in paragraph (c)(6) of this section. (12/92)

(ii) If the owner/operator has not submitted a Part B application for a postclosure permit, the owner/operator may petition the Department for a determination that a postclosure permit is not required because the closure met the applicable part 264 closure standards.

(A) The petition must include data demonstrating that closure by removal or decontamination standards were met, or it must demonstrate that the unit closed under State requirements that met or exceeded the applicable 264 closure-by-removal standard.

(B) The Department shall approve or deny the petition according to the procedures outlined in paragraph (c)(6) of this section.

(6) Procedures for closure equivalency determination. (11/90)

(i) If a facility owner/operator seeks an equivalency demonstration under 270.1(c)(5), the Department will provide the public, through a newspaper notice, the opportunity to submit written comments on the information submitted by the owner/operator within 30 days from the date of the

notice. The Department will also, in response to a request or at his/her own discretion, hold a public hearing whenever such a hearing might clarify one or more issues concerning the equivalence of the part 265 closure to a part 264 closure. The Department will give public notice of the hearing at least 30 days before it occurs. (Public notice of the hearing may be given at the same time as notice of the opportunity for the public to submit written comments, and the two notices may be combined.)

(ii) The Department will determine whether the part 265 closure met 264 closure by removal or decontamination requirements within 90 days of its receipt. If the Department finds that the closure did not meet the applicable part 264 standards, it will provide the owner/operator with a written statement of the reasons why the closure failed to meet part 264 standards. The owner/operator may submit additional information in support of an equivalency demonstration within 30 days after receiving such written statement. The Department will review any additional information submitted and make a final determination within 60 days.

(iii) If the Department determines that the facility did not close in accordance with part 264 closure by removal standards, the facility is subject to postclosure permitting requirements. (12/93)

## 270.2 Definitions

The following definitions apply to 270 and 124. Terms not defined in this section have the meaning given by those included in 260 Subpart B and by S.C. Hazardous Waste Management Act Section 44-56-10 et al.

"Application" means the standard forms for applying for a permit, including any additions, revisions or modifications to the forms; or forms approved by the Department, including any approved modifications or revisions. Application also includes the information required by the Department under Sections 270.14 through 270.29 (contents of Part B of the application under these regulations). (12/93)

"Aquifer" means a geological formation, group of formations, or part of a formation that is capable of yielding a significant amount of water to a well or spring. (12/92)

"Closure" means the act of securing a Hazardous Waste Management facility pursuant to the requirements of part 264. (11/90)

"Component" means any constituent part of a unit or any group of constituent parts of a unit which are assembled to perform a specific function (e.g., a pump seal, pump, kiln liner, kiln thermocouple). (11/90; 12/93)

"Corrective Action Management Unit" or "CAMU" means an area within a facility that is designated by the Department under part 264 subpart

S, for the purpose of implementing corrective action requirements under 264.101 and RCRA section 3008(h). A CAMU shall only be used for the management of remediation wastes pursuant to implementing such corrective action requirements at the facility. (added 12/93)

"CWA" means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act or Federal Water Pollution Control Act amendments of 1972) Pub. L. 92-500, as amended by Pub. L. 92-217 and Pub. L. 95-576; 33 U.S.C. 1251 et seq.

"Disposal" means the discharge, deposit, injection, dumping, spilling, leaking, or placing of any hazardous waste into or on any land or water so that such hazardous waste or any constituent thereof may enter the environment or be emitted into the air or discharged into any waters, including ground water. (12/92)

"Disposal facility" means a facility or part of a facility at which hazardous waste is intentionally placed into or on the land or water, and at which hazardous waste will remain after closure. The term disposal facility does not include a corrective action management unit into which remediation wastes are placed. (12/92; 12/93)

"Draft permit" means a document prepared under 124.6 indicating the Department's tentative decision to issue or deny, modify, revoke and reissue, terminate, or reissue a permit. A notice of intent to terminate a permit, and a notice of intent to deny a permit, as discussed in Section 124.5, are types of draft permits. A denial of a request for modification, revocation and reissuance, or termination, as discussed in Section 124.5 is not a "draft permit." A proposed permit is not a draft permit. (12/93)

"Elementary neutralization unit" means a device which:

(a) Is used for neutralizing wastes only because they exhibit the corrosivity characteristic defined in 261.22, or are listed in 261 Subpart D only for this reason; and

(b) Meets the definition of tank, tank system, container, transport vehicle, or vessel in 260.10. (11/90)

"Emergency permit" means a permit issued under these regulations in accordance with Section 270.61.

"Environmental Protection Agency" (EPA) means the United States Environmental Protection Agency. (12/92)

"EPA" means the United States Environmental Protection Agency. (12/92)

"Existing hazardous waste management (HWM) facility" or "existing facility" means a facility which was in operation or for which construction commenced on or before November 19, 1980. A facility has commenced construction if: (12/92)

(a) The owner or operator has obtained the Federal, State and local approvals or permits necessary to begin physical construction; and either

(b) (1) A continuous onsite, physical construction program has begun; or

(2) The owner or operator has entered into contractual obligations which cannot be canceled or modified without substantial loss -- for physical construction of the facility to be completed within a reasonable time.

"Facility mailing list" means the mailing list for a facility maintained by the Department in accordance with 124.10 (11/90; 12/95; 5/96).

"Facility" or "activity" means any HWM facility or any other facility or activity (including land or appurtenances thereto) that is subject to regulation under these regulations. (12/93)

"Federal, State and local approvals or permits necessary to begin physical construction" means permits and approvals required under Federal, State or local hazardous waste control statutes, regulations or ordinances.

"Functionally equivalent component" means a component which performs the same function or measurement and which meets or exceeds the performance specifications of another component. (11/90)

"Generator" means any person, by site location, whose act, or process produces hazardous waste identified or listed in part 261. (12/92)

"Groundwater" means water below the land surface in a zone of saturation. (12/92)

"Hazardous waste" means a hazardous waste as defined in 261.3. (12/92)

"Hazardous Waste Management facility (HWM facility)" means all contiguous land, structures, other appurtenances, and improvements on the land, used for treating, storing, or disposing of hazardous waste. A facility may consist of several treatment, storage, or disposal operational units (for example, one or more landfills, surface impoundments, or combinations of them).

"HWM facility" means Hazardous Waste Management facility. (12/92)

"Injection well" means a well into which fluids are being injected. (12/92)

"Interim authorization" means approval by EPA of a State hazardous waste program which has met the requirements of section 3006(g)(2) of RCRA and applicable requirements of part 271, subpart B. (5/96)

"In operation" means a facility which is treating, storing, or disposing of hazardous waste. (12/92)

"Major facility" means any facility or activity classified by the Department.

"Manifest" means the shipping document originated and signed by the generator which contains



the information required by subpart B of part 262. (12/92)

"National Pollutant Discharge Elimination System" means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318, and 405 of the CWA. The term includes an approved program. (12/92)

"NPDES" means National Pollutant Discharge Elimination System. (12/92)

"New HWM facility" means a Hazardous Waste Management facility which began operation or for which construction commenced after November 19, 1980. (12/92)

"Offsite" means any site which is not onsite.

"Onsite" means on the same or geographically contiguous property which may be divided by public or private right(s)-of-way, provided the entrance and exit between the properties is at a crossroads intersection, and access is by crossing as opposed to going along, the right(s)-of-way. Noncontiguous properties owned by the same person but connected by a right-of-way which the person controls and to which the public does not have access, is also considered onsite property. (12/92)

"Owner or operator" means the owner or operator of any facility or activity subject to regulation under RCRA. (12/92)

"Permit" means an authorization, license, or equivalent control document issued by the Department to implement the requirements of this Part and 124. Permit includes permit by rule (270.60), and emergency permit (270.61). Permit does not include interim status (subpart G of this part), or any permit which has not yet been the subject of final agency action, such as a draft permit or a proposed permit. (12/93)

"Permit-by-rule" means a provision of these regulations stating that a facility or activity is deemed to have a RCRA permit if it meets the requirements of the provision. (11/90)

"Person" means an individual, association, partnership, corporation, municipality, State or Federal agency, or an agent or employee thereof. (12/92)

"Physical construction" means excavation, movement of earth, erection of forms or structures, or similar activity to prepare an HWM facility to accept hazardous waste.

"POTW" means publicly owned treatment works. (12/93)

"Publicly owned treatment works (POTW)" means any device or system used in the treatment (including recycling and reclamation) of municipal sewage or industrial wastes of a liquid nature which is owned by a State or municipality. This definition includes

sewers, pipes, or other conveyances only if they convey wastewater to a POTW providing treatment.

"Remedial Action Plan" (RAP) means a special form of hazardous waste permit that a facility owner or operator may obtain instead of a permit issued under 270.3 through 270.66, to authorize the treatment, storage or disposal of hazardous remediation waste (as defined in 260.10) at a remediation waste management site. (8/00)

"RCRA" means the Solid Waste Disposal Act as amended by the Resource Conservation and Recovery Act of 1976 (Pub. L. 94-580, as amended by Pub. L. 95-609 and Pub. L. 96-482, 42 U.S.C. 6901 et seq.) (12/92)

"Schedule of compliance" means a schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (for example, actions, operations, or milestone events) leading to compliance with the S.C. Hazardous Waste Management Act and regulations.

"SDWA" means the Safe Drinking Water Act.

"Site" means the land or water area where any facility or activity is physically located or conducted, including adjacent

land used in connection with the facility or activity.

"Storage" means the holding of hazardous waste for a temporary period, at the end of which the hazardous waste is treated, disposed, or stored elsewhere. (12/92)

"Transfer facility" means any transportation-related facility including loading docks, parking areas, storage areas and other similar areas where shipments of hazardous waste are held during the normal course of transportation.

"Transporter" means a person engaged in the offsite transportation of hazardous waste by air, rail, highway or water. (12/92)

"Treatment" means any method, technique, or process, including neutralization, designed to change the physical, chemical, or biological character or composition of any hazardous waste so as to neutralize such wastes, or so as to recover energy or material resources from the waste, or so as to render such waste nonhazardous, or less hazardous; safer to transport, store, or dispose of; or amenable for recovery, amenable for storage, or reduced in volume. (12/92)

"UIC" means the Underground Injection Control program.

"Underground injection" means a well injection. (12/93)

"Underground source of drinking water (USDW)" means an aquifer or its portion:

- (a) (1) Which supplies any public water system; or
- (2) Which contains a sufficient quantity of groundwater to supply a public water system; and

(i) Currently supplies drinking water for human consumption; or

(ii) Contains fewer than 10,000 mg/l total dissolved solids; and

(b) Which is not an exempted aquifer.

"USDW" means underground source of drinking water. (12/93)

"Wastewater treatment unit" means a device which: (a) Is part of a wastewater treatment facility which is subject to regulation under either section 402 or 307(b) of the Clean Water Act; and (b) receives and treats or stores an influent wastewater which is a hazardous waste as defined in 261.3, or generates and accumulates a wastewater treatment sludge which is a hazardous waste as defined in 261.3, or treats or stores a wastewater treatment sludge which is a hazardous waste as defined in 261.3; and (c) Meets the definition of tank or tank system in 260.10. (11/90, 12/93)

### 270.3 Considerations under Federal law

The following is a list of Federal laws that may apply to the issuance of permits under these rules. When any of these laws is applicable, its procedures must be followed. When the applicable law requires consideration or adoption of particular permit conditions or requires the denial of a permit, those requirements also must be followed.

(a) The Wild and Scenic Rivers Act. 16 U.S.C. 1273 et seq. Section 7 of the Act and the S.C. Scenic Rivers Act of 1974 as amended Section 51-5-10 through 51-5-170 prohibits the Department from assisting by license or otherwise the construction of any water resources project that would have a direct, adverse effect on the values for which a national wild and scenic river was established.

(b) The National Historic Preservation Act of 1966. 16 U.S.C. 470 et seq. Section 106 of the Act and implementing regulations (36 CFR part 800) require the Department, before issuing a license, to adopt measures when feasible to mitigate potential adverse effects of the licensed activity and properties listed or eligible for listing in the National Register of Historic Places. The Act's requirements are to be implemented in cooperation with local Historic Preservation Officers and upon notice to, and when appropriate, in consultation with the Advisory Council on Historic Preservation. (12/92)

(c) The Endangered Species Act. 16 U.S.C. 1531 et seq. Section 7 of the Act and implementing regulations (50 CFR part 402) and the S.C. Nongame and Endangered Species Act Sections 50-15-10 through 50-15-90 require the Department to ensure, in consultation with the Secretary of the Interior or Commerce, that any action authorized by EPA is not likely to jeopardize the continued existence of any endangered or threatened species or adversely affect its critical habitat.

(d) The Coastal Zone Management Act. 16 U.S.C. 1451 et seq. Section 307(c) of the Act and implementing regulations (15 CFR part 930) and the S.C. Coastal Tidelands and Wetlands Act Sections 48-39-10 et seq., prohibit the Department from issuing a permit for an activity affecting land or water use in the coastal zone until the applicant certifies that the proposed activity complies with the Coastal Division of the South Carolina Department of Health and Environmental Control and concurs with the certification (or the Secretary of Commerce overrides the State's nonconcurrence). (12/92, 11/99)

(e) The Fish and Wildlife Coordination Act. 16 U.S.C. 661 et seq. requires that the Department, before issuing a permit proposing or authorizing the impoundment (with certain exemptions), diversion, or other control or modification of any body of water, consult with the U.S. Fish and Wildlife Department exercising jurisdiction over wildlife resources to conserve those resources.

### 270.4 Effect of a permit

(a) Compliance with a permit under these regulations during its term constitutes compliance, for purposes of enforcement, with subtitle C of RCRA and except for those requirements not included in the permit which: (12/93)

(1) Become effective by statute;

(2) Are promulgated under part 268 of this chapter restricting the placement of hazardous wastes in or on the land; or (12/93)

(3) Are promulgated under 264 regarding leak detection systems for new and replacement surface impoundment, waste pile, and landfill units, and lateral expansions of surface impoundment, waste pile, and landfill units. The leak detection system requirements include double liners, CQA programs, monitoring, action leakage rates, and response action plans, and will be implemented through the procedures of 270.42 Class 1 permit modifications; or (12/93, 9/98)

(4) Are promulgated under subparts AA, BB, or CC of part 265 of this chapter limiting air emissions. (9/98)

(b) The issuance of a permit under these regulations does not convey any property rights of any sort, or any exclusive privilege. (12/92)

(c) The issuance of a permit does not authorize any injury to persons or property or invasion of other private rights, or any infringement of State or local law or regulations. (12/92)

### 270.5 [Reserved]

## 270.6 References

(a) When used in part 270 of these Regulations, the following publications are incorporated by reference: (see 260.11 References) (12/93)

"Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846 [Second Edition, 1982 as amended by Update I (April, 1984), and Update II (April, 1985)]. The second edition of SW-846 and Updates I, II and III are available from the National Technical Information Service, 5285 Port Royal Road, Springfield, VA 22161, (703) 487-4600, as document no. PB 87-120-291. The Department will use the Second Edition and Updates I and II until the Third Edition is promulgated. The Third Edition is available from the U.S. Government Printing Office, Superintendent of Documents, Washington, DC 20402, (202) 783-3238 (document number 955-001-00000-1). (12/92)

(b) The references listed in paragraph (a) of this section are also available for inspection at the Office of the Federal Register, 1100 L Street, NW., Washington, DC 20408. These incorporations by reference were approved by the Director of the Federal Register. These materials are incorporated as they exist on the date of approval and a notice of any change in these materials will be published in the Federal Register.

## Subpart B - PERMIT APPLICATION

### 270.10 General application requirements

(a) Permit application. Any person who is required to have a permit under these regulations (including new applicants and permittees with expiring permits) shall complete, sign, and submit an application to the Department as described in this section and sections 270.70 through 270.73. Persons currently authorized with interim status shall apply for permits when required by the Department. Persons covered by "permits by rule" under section 270.60 need not apply. Procedures for applications, issuance and administration of emergency permits are found exclusively in section 270.61. Procedures for application, issuance and administration of research, development, and demonstration permits are found exclusively in section 270.65. (12/92)

(b) Who applies? When a facility or activity is owned by one person but is operated by another person, it is the operator's duty to obtain a permit, except that the owner must also sign the permit application.

(c) Completeness. The Department shall not issue a permit before receiving a complete application for a permit except for permits by rule, or emergency permits. An application for a permit is complete when the Department receives an application form and any supplemental information which are completed to the

### 270.10 General application requirements

Department's satisfaction. An application for a permit is complete notwithstanding the failure of the owner or operator to submit the exposure information described in paragraph (j) of this section. The Department may deny a permit for the active life of a hazardous waste management facility or unit before receiving a complete application for a permit. (12/92)

(d) Information requirements.

(1) All applicants for facility permits under these regulations shall provide information set forth in section 270.13 and applicable sections in sections 270.14 through 270.29 to the Department, using the application form provided by the Department.

(2) All applicants for transporter permits shall provide the information as required on the Department's designated application in accordance with the instructions supplied with such form. Evidence of financial responsibility as required by 263 must accompany the application.

(e) Existing HWM facilities and interim status qualifications.

(1) Owners and operators of existing hazardous waste management facilities or of hazardous waste management facilities in existence on the effective date of statutory or regulatory amendments under the South Carolina Hazardous Waste Management Act that render the facility subject to the requirement to have a permit under these regulations must submit part A of their permit application no later than:

(i) Six months after the date of publication of regulations which first require them to comply with the standards set forth in 265 or 266, or

(ii) Thirty days after the date they first become subject to the standards set forth in 265 or 266, whichever first occurs.

(2) [Reserved]

(3) The Department may by compliance order issued under Section 44-56-140 of the South Carolina Hazardous Waste Management Act extend the date by which the owner and operator of an existing hazardous waste management facility must submit Part A of their permit application.

(4) At any time the owner and operator of an existing HWM facility may be required to submit Part B of their permit application. An owner or operator shall be allowed at least six months from the date of request to submit Part B of the application. Any owner or operator of an existing HWM facility may voluntarily submit Part B of the application at any time. Notwithstanding the above, any owner or operator of an existing HWM facility must submit a Part B permit application in accordance with the dates specified in section 270.73. Any owner or operator of a land disposal facility in existence on the effective date of statutory or regulatory amendments under this Act that render the facility subject to the requirement

to have a permit under this regulation must submit a Part B application in accordance with the dates specified in section 270.73.

(5) Failure to furnish a requested Part B application on time, or to furnish in full the information required by the Part B application, is grounds for termination of interim status under 124.

*(f) New HWM facilities.*

(1) No person shall begin physical construction of a new HWM facility without having submitted Part A and Part B of the permit application and having received a finally effective permit under these regulations.

(2) An application for a permit for a new HWM facility (including both Parts A and B) may be filed any time with the Department. All applications must be submitted at least 180 days before physical construction is expected to commence.

*(g) Updating permit applications.*

(1) If any owner or operator of a HWM facility has filed Part A of a permit application and has not yet filed Part B, the owner or operator shall file an amended Part A application:

(i) With the Department within six months after the promulgation of revised regulations under 261 listing or identifying additional hazardous wastes, if the facility is treating, storing, or disposing of any of those newly listed or identified wastes. (12/93)

(ii) [Reserved]

(iii) As necessary to comply with provisions of 270.72 for changes during interim status. Revised Part A applications necessary to comply with the provisions of section 270.72 shall be filed with the Department. (12/93)

(2) The owner or operator of a facility who fails to comply with the updating requirements of paragraph (g)(1) of this section does not receive interim status as to the wastes not covered by duly filed Part A applications.

*(h) Reapplications.*

(1) Any HWM facility with an effective permit shall submit a new application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Department. The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.

(2) Any transporter with an effective permit shall submit a new application at least 90 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Department.

*(i) Recordkeeping.* Applicants shall keep records of all data used to complete permit applications and any supplemental information submitted under sections 270.10(d), 270.13, 270.14 through 270.21 for

**270.11 Signatories to permit applications and reports**  
a period of at least 3 years from the date the application is signed.

*(j) Exposure information.*

(1) After August 8, 1985, any Part B permit application submitted by an owner or operator of a facility that stores, treats, or dispose of hazardous waste in a surface impoundment or a landfill must be accompanied by information, reasonably ascertainable by the owner or operator, on the potential for the public to be exposed to hazardous wastes or hazardous constituents through releases related to the unit. At a minimum, such information must address: (12/93)

(i) Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit;

(ii) The potential pathways of human exposure to hazardous wastes or constituents resulting from the releases described under paragraph (j)(1)(i) of this section; and (12/93)

(iii) The potential magnitude and nature of the human exposure resulting from such releases.

(2) By August 8, 1985, owners and operators of a landfill or a surface impoundment who have already submitted a Part B application must submit the exposure information required in paragraph (j)(1) of this section. (12/93)

*(k)* The Department may require a permittee or an applicant to submit information in order to establish permit conditions under 270.32(b)(2). (11/90, 12/92, 6/95)

*(l)* A copy of a site specific inspection checklist shall be prepared by the applicant. The checklist shall be approved by the Department for use by the Department in conducting compliance inspections and shall include all applicable requirements of 261 through 270. An amended checklist shall be submitted to the Department for approval each time a permit modification is requested. The amended checklist shall accompany the permit modification request (5/93).

**270.11 Signatories to permit applications and reports**

*(a) Applications.* All permit applications shall be signed as follows:

(1) For a corporation: By a responsible corporate officer. For the purpose of this section, a responsible corporate officer means (i) A president, secretary, treasurer, or vice-president of the corporation in charge of a principal business function, or any other person who performs similar policy or decision making functions for the corporation, or (ii) the manager of one or more manufacturing, production or operating facilities employing more than 250 persons or having gross annual sales or

expenditures exceeding \$25 million (in second-quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.

Note: The Department does not require specific assignments or delegations of authority to responsible corporate officers identified in 270.11(a)(1)(i). The Department will presume that these responsible corporate officers have the requisite authority to sign permit applications unless the corporation has notified the Department to the contrary. Corporate procedures governing authority to sign permit applications may provide for assignment or delegation to applicable corporate positions under 270.11(a)(1)(ii) rather than to specific individuals. (12/92)

(2) For a partnership or sole proprietorship; by a general partner or the proprietor, respectively; or

(3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes: (i) The chief executive officer of the agency, or (ii) a senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

(b) Reports. All reports required by permits and other information requested by the Department shall be signed by a person described in paragraph (a) of this section, or by a duly authorized representative of that person. A person is a duly authorized representative only if:

(1) The authorization is made in writing by a person described in paragraph (a) of this section;

(2) The authorization specifies either an individual or a position having responsibility for overall operation of the regulated facility or activity such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

(3) The written authorization is submitted to the Department.

(c) Changes to authorization. If an authorization under paragraph (b) of this section is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, a new authorization satisfying the requirements of paragraph (b) of this section must be submitted to the Department prior to or together with any reports, information, or applications to be signed by an authorized representative.

(d) (1) Certification. Any person signing a document under paragraph (a) or (b) of this section shall make the following certification: (8/00)

"I certify under penalty of law that this document and all attachments were prepared under my direction

**270.13 Contents of Part A of the permit application**  
or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to be the best of my knowledge and belief, true, accurate and, complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

(2) For remedial action plans (RAPs) under subpart H of this part, if the operator certifies according to paragraph (d)(1) of this section, then the owner may choose to make the following certification instead of the certification in paragraph (d)(1) of this section: (8/00)

"Based on my knowledge of the conditions of the property described in the RAP and my inquiry of the person or persons who manage the system referenced in the operator's certification, or those persons directly responsible for gathering the information, the information submitted is, upon information and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." (8/00)

#### **270.12 Confidentiality of information**

(a) In accordance with the Hazardous Waste Management Act Section 44-56-80 and the Freedom of Information Act Section 30-4-40 certain information submitted to the Department pursuant to these regulations may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission in the manner prescribed on the application form or instructions or, in the case of other submissions, by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, the Department may make the information available to the public without further notice. If a claim is asserted, the information will be treated in accordance with the procedures in South Carolina 30-4-10 et seq. and 40 CFR Part 2 (Public Information). (12/92)

(b) Claims of confidentiality for the name and address of any permit applicant or permittee will be denied.

**270.13 Contents of Part A of the permit application**  
Part A of the application under these regulations shall include the following information: (12/93)

(a) The activities conducted by the applicant which require it to obtain a permit under these regulations. (12/93)

(b) Name, mailing address, and location, including latitude and longitude of the facility for which the application is submitted.

(c) Up to four SIC codes which best reflect the principal products or services provided by the facility.

(d) The operator's name, address, telephone number, ownership status, and status as Federal, State, private, public, or other entity.

(e) The name, address, and phone number of the owner of the facility.

(f) Whether the facility is located on Indian lands.

(g) An indication of whether the facility is new or existing and whether it is a first or revised application.

(h) For existing facilities,

(1) a scale drawing of the facility showing the location of all past, present, and future treatment, storage, and disposal areas; and

(2) photographs of the facility clearly delineating all existing structures; existing treatment, storage, and disposal areas; and sites of future treatment, storage, and disposal areas.

(i) A description of the processes to be used for treating, storing, and disposing of hazardous waste, and the design capacity of these items.

(j) A specification of the hazardous wastes listed or designated under 261 to be treated, stored, or disposed of at the facility, an estimate of the quantity of such wastes to be treated, stored, or disposed annually, and a general description of the processes to be used for such wastes. (11/90)

(k) A listing of all permits or construction approvals received or applied for under any of the following programs:

(1) Hazardous Waste Management program under these regulations. (12/93)

(2) UIC program under the SDWA.

(3) NPDES program under the CWA.

(4) Prevention of Significant Deterioration (PSD) program under the Clean Air Act.

(5) Nonattainment program under the Clean Air Act.

(6) National Emission Standards for Hazardous Pollutants (NESHAPS) preconstruction approval under the Clean Air Act.

(7) Ocean dumping permits under the Marine Protection Research and Sanctuaries Act.

(8) Dredge or fill permits under section 404 of the CWA.

(9) Other relevant environmental permits, including State permits.

(l) A topographic map (or other map if a topographic map is unavailable) extending one mile beyond the property boundaries of the source, depicting the facility and each of its intake and discharge structures; each of its hazardous waste treatment, storage, or disposal facilities; each well where fluids from the facility are injected

**270.14 Contents of Part B: General requirements**  
underground; and those wells, springs, other surface water bodies, and drinking water wells listed in public records or otherwise known to the applicant within 1/4 mile of the facility property boundary. (12/93)

(m) A brief description of the nature of the business.

(n) For hazardous debris, a description of the debris category(ies) and contaminant category(ies) to be treated, stored, or disposed of at the facility. (12/93)

#### **270.14 Contents of Part B: General requirements**

(a) Part B of the permit application consists of the general information requirements of this section, and the specific information requirements in 270.14 through 270.29 applicable to the facility. The Part B information requirements presented in 270.14 through 270.29 reflect the standards promulgated in 264.

These information requirements are necessary in order for the Department to determine compliance with 264 standards. If owners and operators of HWM facilities can demonstrate that the information prescribed in Part B can not be provided to the extent required, the Department may make allowance for submission of such information on a case-by-case basis. Information required in Part B shall be submitted to the Department and signed in accordance with requirements in 270.11. Certain technical data, such as design drawings and specifications, and engineering studies shall be certified by a registered professional engineer. For post-closure permits, only the information specified in 270.28 is required in Part B of the permit application. (12/92; 8/00)

(b) General information requirements. The following information is required for all HWM facilities, except as 264.1 provides otherwise:

(1) A general description of the facility.

(2) Chemical and physical analyses of the hazardous waste and hazardous debris to be handled at the facility. At a minimum, these analyses shall contain all the information which must be known to treat, store, or dispose of the wastes properly in accordance with 264. (12/93)

(3) A copy of the waste analysis plan required by section 264.13(b) and, if applicable section 264.13(c).

(4) A description of the security procedures and equipment required by 264.14, or a justification demonstrating the reasons for requesting a waiver of this requirement.

(5) A copy of the general inspection schedule required by 264.15(b). Include, where applicable, as part of the inspection schedule, specific requirements in 264.174, 264.193(i), 264.195, 264.226, 264.254, 264.273, 264.303, 264.602, 264.1033, 264.1052, 264.1053, 264.1058, 264.1084, 264.1085, 264.1086, and 264.1088. (11/90; 12/92; 12/93, 9/98, 11/99)

#### 270.14 Contents of Part B: General requirements

(which have displacement in Holocene time) within 3,000 feet of a facility are present, based on data from:

(1) Published geologic studies,

(2) Aerial reconnaissance of the area within a five-mile radius from the facility.

(3) An analysis of aerial photographs covering a 3,000 foot radius of the facility, and

(4) If needed to clarify the above data, a reconnaissance based on walking portions of the area within 3,000 feet of the facility, or

(B) If faults (to include lineations) which have had displacement in Holocene time are present within 3,000 feet of a facility, no faults pass within 200 feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted, based on data from a comprehensive geologic analysis of the site. Unless a site analysis is otherwise conclusive concerning the absence of faults within 200 feet of such portions of the facility data shall be obtained from a subsurface exploration (trenching) of the area within a distance no less than 200 feet from portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. Such trenching shall be performed in a direction that is perpendicular to known faults (which have had displacement in Holocene time) passing within 3,000 feet of the portions of the facility where treatment, storage, or disposal of hazardous waste will be conducted. Such investigation shall document with supporting maps and other analyses, the location of faults found.

Comment: The federal Guidance Manual for the Location Standards provides greater detail on the content of each type of seismic investigation and the appropriate conditions under which each approach or a combination of approaches would be used. (9/98)

(iii) Owners and operators of all facilities shall provide an identification of whether the facility is located within a 100-year floodplain. This identification must indicate the source of data for such determination and include a copy of the relevant Federal Insurance Administration (FIA) flood map, if used, or the calculations and maps used where a FIA map is not available. Information shall also be provided identifying the 100-year flood level and any other special flooding factors (e.g., wave action) which must be considered in designing, constructing, operating, or maintaining the facility to withstand washout from a 100-year flood.

[Comment: Where maps for the National Flood Insurance Program produced by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency are available, they will normally be determinative of whether a facility is located within or outside of the 100-year floodplain. However, where the FIA map excludes an area (usually areas of

(6) A justification of any request for a waiver(s) of the preparedness and prevention requirements of 264 subpart C.

(7) A copy of the contingency plan required by part 264, subpart D. Note: Include, where applicable, as part of the contingency plan, specific requirements in 264.227, 264.255, and 264.200. (6/95, 8/00)

(8) A description of procedures, structures, or equipment used at the facility to:

(i) Prevent hazards in unloading operations (for example, ramps, special forklifts);

(ii) Prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (for example, berms, dikes, trenches);

(iii) Prevent contamination of water supplies;

(iv) Mitigate effects of equipment failure and power outages;

(v) Prevent undue exposure of personnel to hazardous waste (for example, protective clothing); and

(vi) Prevent releases to atmosphere. (12/92)

(9) A description of precautions to prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes as required to demonstrate compliance with 264.17 including documentation demonstrating compliance with 264.17(c).

(10) Traffic pattern, estimated volume (number, types of vehicles) and control (for example, show turns across traffic lanes, and stacking lanes (if appropriate); describe access road surfacing and load bearing capacity; show traffic control signals).

(11) Facility location information;

(i) In order to determine the applicability of the seismic standard [264.18(a)] the owner or operator of a new facility must identify the political jurisdiction (e.g., county, township, or election district) in which the facility is proposed to be located.

[Comment: If the county or election district is not listed in appendix VI of 264, no further information is required to demonstrate compliance with 264.18(a).] (12/93)

(ii) If the facility is proposed to be located in an area listed in appendix VI of 264, the owner or operator shall demonstrate compliance with the seismic standard. This demonstration may be made using either published geologic data or data obtained from field investigations carried out by the applicant. The information provided must be of such quality to be acceptable to geologists experienced in identifying and evaluating seismic activity. The information submitted must show that either:

(A) No faults which have had displacement in Holocene time are present, or no lineations which suggest the presence of a fault

the floodplain less than 200 feet in width), these areas must be considered and a determination made as to whether they are in the 100-year floodplain. Where FIA maps are not available for a proposed facility location, the owner or operator must use equivalent mapping techniques to determine whether the facility is within the 100-year floodplain, and if so located, what the 100-year flood elevation would be. (12/92)]

(iv) Owners and operators of facilities located in the 100-year floodplain must provide the following information:

(A) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.

(B) Structural or other engineering studies showing the design of operational units (e.g., tanks, incinerators) and flood protection devices (e.g., floodwalls, dikes) at the facility and how these will prevent washout.

(C) If applicable, and in lieu of paragraphs (b)(11)(iv) (A) and (B), a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:

(1) Timing of such movement relative to flood levels, including estimated time to move the waste, to show that such movement can be completed before floodwaters reach the facility.

(2) A description of the location(s) to which the waste will be moved and demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under 270, 124 and 264 through 266. (11/90)

(3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use.

(4) The potential for accidental discharges of the waste during movement.

(v) Existing facilities not in compliance with 264.18(b) shall provide a plan showing how the facility will be brought into compliance and a schedule for compliance.

(12) An outline of both the introductory and continuing training programs by owners or operators to prepare persons to operate or maintain the HWM facility in a safe manner as required to demonstrate compliance with 264.16. A brief description of how training will be designed to meet actual job tasks in accordance with requirements in 264.16(a)(3).

(13) A copy of the closure plan and, where applicable, the postclosure plan required by 264.112, 264.118, and 264.197. Include, where applicable, as part of the plans, specific requirements in 264.178, 264.197, 264.228, 264.258, 264.280, 264.310, 264.351, 264.601, and 264.603. (11/90)

#### **270.14 Contents of Part B: General requirements**

(14) For hazardous waste disposal units that have been closed, documentation that notices required under 264.119 have been filed.

(15) The most recent closure cost estimate for the facility prepared in accordance with 264.142 and a copy of the documentation required to demonstrate financial assurance under 264.143. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the Part B.

(16) Where applicable, the most recent postclosure cost estimate for the facility prepared in accordance with 264.144 plus a copy of the documentation required to demonstrate financial assurance under 264.145. For a new facility, a copy of the required documentation may be submitted 60 days prior to the initial receipt of hazardous wastes, if that is later than the submission of the Part B.

(17) Where applicable, a copy of the insurance policy or other documentation which comprises compliance with the requirements of 264.147. For a new facility, documentation showing the amount of insurance meeting the specification of 264.147(a) and, if applicable, 264.147(b), that the owner or operator plans to have in effect before initial receipt of hazardous waste for treatment, storage, or disposal. A request for a variance in the amount of required coverage, for a new or existing facility, may be submitted as specified in 264.147(c).

(18) Where appropriate, proof of coverage by a state financial mechanism in compliance with 264.149 or 264.150. (11/90)

(19) A topographic map showing a distance of 1000 feet around the facility at a scale of 2.5 centimeters (1 inch) equal to not more than 61.0 meters (200 feet). Contours must be shown on the map. The contour interval must be sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility. For example, contours with an interval of 1.5 meters (5 feet), if relief is greater than 6.1 meters (20 feet), or an interval of 0.6 meters (2 feet), if relief is less than 6.1 meters (20 feet). Owners and operators of Hazardous Waste Management facilities located in mountainous areas should use large contour intervals to adequately show topographic profiles of facilities. The map shall clearly show the following: (11/90, 12/92)

(i) Map scale and date.

(ii) 100-year floodplain area.

(iii) Surface waters including intermittent streams.

(iv) Surrounding land uses (residential, commercial, agricultural, recreational).

(v) A wind rose (i.e., prevailing wind speed and direction).



- (vi) Orientation of the map (north arrow).
- (vii) Legal boundaries of the Hazardous Waste Management facility site.
- (viii) Access control (fences, gates).
- (ix) Injection and withdrawal wells both onsite and offsite.
- (x) Buildings; treatment, storage, or disposal operations; or other structure (recreation areas, run-off control systems, access and internal roads, storm, sanitary, and process sewerage systems, loading and unloading areas, fire control facilities, etc.). (12/93)
- (xi) Barriers for drainage or flood control.
- (xii) Location of operational units within the HWM facility site, where hazardous waste is (or will be) treated, stored, or disposed (include equipment cleanup areas).

Note: For large HWM facilities the Department will allow the use of other scales on a case-by-case basis. (Note 12/93)

(20) Applicants may be required to submit such information as may be necessary to enable the Department to carry out its duties under other State or Federal laws as required in 270.3 of this part. (6/89, 9/98)

(21) For land disposal facilities, if a case-by-case extension has been approved under 268.5 or a petition has been approved under 268.6, a copy of the notice of approval for the extension or petition is required. (11/90, 9/98)

(22) A summary of the pre-application meeting, along with a list of attendees and their addresses, and copies of any written comments or materials submitted at the meeting, as required under 124.31(c). (9/98)

(23) A complete corporate description such as a Security and Exchange Commission Annual Report, or its equivalent. (6/89, 9/98)

(c) Additional information requirements. The following additional information regarding protection of groundwater is required from owners or operators of hazardous waste facilities containing a regulated unit except as provided in 264.90(b). (11/90; 21/93)

(1) A summary of the groundwater monitoring data obtained during the interim status period under sections 265.90 through 265.94, where applicable.

(2) Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including groundwater flow direction and rate, and the basis for such identification (i.e., the information obtained from hydrogeologic investigations of the facility area).

(3) On the topographic map required under paragraph (b)(19) of this section, a delineation of the waste management area, the property boundary, the proposed "point of compliance" as defined under 264.95, the proposed location of groundwater

**270.14 Contents of Part B: General requirements** monitoring wells as required under 264.97, and, to the extent possible, the information required in paragraph (c)(2) of this section.

(4) A description of any plume of contamination that has entered the groundwater from a regulated unit at the time that the application was submitted that: (12/93)

(i) Delineates the extent of the plume on the topographic map required under paragraph (b)(19) of this section;

(ii) Identifies the concentration of each appendix IX, of part 264 of this chapter, constituent throughout the plume or identifies the maximum concentrations of each appendix IX constituent in the plume. (11/90; 12/92; 12/93)

(5) Detailed plans and an engineering report describing the proposed groundwater monitoring program to be implemented to meet the requirements of 264.97.

(6) If the presence of hazardous constituents has not been detected in the groundwater at the time of permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a detection monitoring program which meets the requirements of 264.98. This submission must address the following items specified under 264.98:

(i) A proposed list of indicator parameters, waste constituents, or reaction products that can provide a reliable indication of the presence of hazardous constituents in the groundwater;

(ii) A proposed groundwater monitoring system;

(iii) Background values for each proposed monitoring parameter or constituent, or procedures to calculate such values; and

(iv) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(7) If the presence of hazardous constituents has been detected in the groundwater at the point of compliance at the time of the permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a compliance monitoring program which meets the requirements of 264.99. Except as provided in 264.98(g)(5), the owner or operator must also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of 264.100, unless the owner or operator obtains written authorization in advance from the Department to submit a proposed permit schedule for submittal of such a plan. To demonstrate compliance with 264.99, the owner or operator must address the following items: (6/95)

(i) A description of the wastes previously handled at the facility;

(ii) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;

(iii) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with 264.97 and 264.99;

(iv) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in 264.94(a), including a justification for establishing any alternate concentration limits;

(v) Detailed plans and an engineering report describing the proposed groundwater monitoring system, in accordance with the requirements of 264.97; and

(vi) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating groundwater monitoring data.

(8) If hazardous constituents have been measured in the groundwater which exceed the concentration limits established under 264.94 Table 1, or if groundwater monitoring conducted at the time of permit application under 265.90 through 265.94 at the waste boundary indicates the presence of hazardous constituents from the facility in groundwater over background concentrations, the owner or operator must submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of 264.100. However, an owner or operator is not required to submit information to establish a corrective action program if he demonstrates to the Department that alternate concentration limits will protect human health and the environment after considering the criteria listed in 264.94(b). An owner or operator who is not required to establish a corrective action program for this reason must instead submit sufficient information to establish a compliance monitoring program which meets the requirements of 264.99 and paragraph (c)(6) of this section. To demonstrate compliance with 264.100, the owner or operator must address, at a minimum, the following items:

(i) A characterization of the contaminated groundwater, including concentrations of hazardous constituents;

(ii) The concentration limit for each hazardous constituent found in the groundwater as set forth in 264.94;

(iii) Detailed plans and an engineering report describing the corrective action to be taken; and

(iv) A description of how the groundwater monitoring program will demonstrate the adequacy of the corrective action. (12/92)

(v) The permit may contain a schedule for submittal of the information required in paragraphs (c)(8) (iii) and (iv) provided the owner or operator obtains written authorization from the Department prior to submittal of the complete permit application.

#### **270.15 Specific Part B information requirements for containers**

(d) Information requirements for solid waste management units. (11/90)

(1) The following information is required for each solid waste management unit at a facility seeking a permit:

(i) The location of the unit on the topographic map required under paragraph (b)(19) of this section.

(ii) Designation of type of unit.

(iii) General dimensions and structural description (supply any available drawings).

(iv) When the unit was operated.

(v) Specification of all wastes that have been managed at the unit, to the extent available.

(2) The owner or operator of any facility containing one or more solid waste management units must submit all available information pertaining to any release of hazardous wastes or hazardous constituents from such unit or units.

(3) The owner/operator must conduct and provide the results of sampling and analysis of groundwater, landsurface, and subsurface strata, surface water, or air, which may include the installation of wells, where the Department ascertains it is necessary to complete a RCRA Facility Assessment that will determine if a more complete investigation is necessary.

#### **270.15 Specific Part B information requirements for containers**

Except as otherwise provided in 264.170, owners or operators of facilities that store containers of hazardous waste must provide the following additional information: (12/92)

(a) A description of the containment system to demonstrate compliance with 264.175. Show at least the following:

(1) Basic design parameters, dimensions, and materials of construction.

(2) How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system.

(3) Capacity of the containment system relative to the number and volume of containers to be stored.

(4) Provisions for preventing or managing run-on.

(5) How accumulated liquids can be analyzed and removed to prevent overflow.

(b) For storage areas that store containers holding wastes that do not contain free liquids, a demonstration of compliance with 264.175(c), including:

(1) Test procedures and results or other documentation or information to show that the wastes do not contain free liquids; and

#### 270.17 Specific Part B information requirements for surface impoundments

(2) A description of how the storage area is designed or operated to drain and remove liquids or how containers are kept from contact with standing liquids.

(c) Sketches, drawings, or data demonstrating compliance with 264.176 (location of buffer zone and containers holding ignitable or reactive wastes) and 264.177(c) (location of incompatible wastes), where applicable.

(d) Where incompatible wastes are stored or otherwise managed in containers, a description of the procedures used to ensure compliance with 264.177 (a) and (b), and 264.17 (b) and (c).

(e) Information on air emission control equipment as required in 270.27. (9/98)

#### 270.16 Specific Part B information requirements for tank systems (11/90)

Except as otherwise provided in 264.190, owners and operators of facilities that use tanks to store or treat hazardous waste must provide the following additional information:

(a) A written assessment that is reviewed and certified by an independent, qualified, registered professional engineer as to the structural integrity and suitability for handling hazardous waste of each tank system, as required under 264.191 and 264.192; (11/90)

(b) Dimensions and capacity of each tank;

(c) Description of feed systems, safety cutoff, bypass systems, and pressure controls (e.g., vents);

(d) A diagram of piping, instrumentation, and process flow for each tank system;

(e) A description of materials and equipment used to provide external corrosion protection, as required under 264.192(a)(3)(ii);

(f) For new tank systems, a detailed description of how the tank system(s) will be installed in compliance with 264.192 (b), (c), (d), and (e);

(g) Detailed plans and description of how the secondary containment system for each tank system is or will be designed, constructed, and operated to meet the requirements of 264.193 (a), (b), (c), (d), (e), and (f);

(h) For tank systems for which a variance from the requirements of 264.193 is sought (as provided by section 264.193(g)):

(1) Detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous waste or hazardous constituents into the groundwater or surface water during the life of the facility, or

(2) A detailed assessment of the substantial present or potential hazards posed to human health or

the environment should a release enter the environment.

i) Description of controls and practices to prevent spills and overflows, as required under 264.194(b); and

j) For tank systems in which ignitable, reactive, or incompatible wastes are to be stored or treated, a description of how operating procedures and tank system and facility design will achieve compliance with the requirements of 264.198 and 264.199.

(k) Information on air emission control equipment as required in 270.27. (9/98)

#### 270.17 Specific Part B information requirements for surface impoundments

Except as otherwise provided in 264.1, owners and operators of facilities that store, treat or dispose of hazardous waste in surface impoundments must provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each surface impoundment;

(b) Detailed plans and an engineering report describing how the surface impoundment is designed and is or will be designed, constructed, operated, and maintained to meet the requirements of 264.19, 264.221, 264.222, and 264.223, addressing following items: (12/93)

(1) The liner system (except for an existing portion of a surface impoundment). If an exemption from the requirement for a liner is sought as provided by 264.221(b), submit detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time; (11/90)

(2) The double liner and leak (leachate) detection, collection, and removal system, if the surface impoundment must meet the requirements of section 264.221(c) of this chapter. If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by section 264.221(d), (e), or (f) of this chapter, submit appropriate information; (12/93)

(3) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system; (12/93)

(4) The construction quality assurance (CQA) plan if required under section 264.19 of this chapter; (12/93)

(5) Proposed action leakage rate, with rationale, if required under 264.222 of this chapter,

and response action plan, if required under section 264.223 of this chapter; (12/93)

(6) Prevention of overtopping; and (moved 12/93)

(7) Structural integrity of dikes; (moved 12/93)

(c) A description of how each surface impoundment, including the double liner system, leak detection system, cover system and appurtenances for control of overtopping, will be inspected in order to meet the requirements of 264.226(a), (b), and (d). This information must be included in the inspection plan submitted under Section 270.14(b)(5); (12/93)

(d) A certification by a qualified engineer which attests to the structural integrity of each dike, as required under 264.226(c). For new units, the owner or operator must submit a statement by a qualified engineer that he will provide such a certification upon completion of construction in accordance with the plans and specifications;

(e) A description of the procedure to be used for removing a surface impoundment from service, as required under 264.227(b) and (c). This information should be included in the contingency plan submitted under section 270.14(b)(7);

(f) A description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under 264.228(a)(1). For any wastes not to be removed from the unit upon closure, the owner or operator must submit detailed plans and an engineering report describing how 264.228(a)(2) and (b) will be complied with. This information should be included in the closure plan and, where applicable, the postclosure plan submitted under section 270.14(b)(13); (12/92)

(g) If ignitable or reactive wastes are to be placed in a surface impoundment, an explanation of how 264.229 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials will be placed in a surface impoundment, an explanation of how 264.230 will be complied with.

(i) A waste management plan for Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of 264.231. This submission must address the following items as specified in 264.231:

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials; (12/92)

(3) The mobilizing properties of other materials co-disposed with these wastes; and

#### **270.18 Specific Part B information requirements for waste piles**

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(j) Information on air emission control equipment as required in 270.27. (9/98)

#### **270.18 Specific Part B information requirements for waste piles**

Except as otherwise provided in 264.1, owners and operators of facilities that store or treat hazardous waste in waste piles must provide the following additional information:

(a) A list of hazardous wastes placed or to be placed in each waste pile;

(b) If an exemption is sought to 264.251 and subpart F of part 264 as provided by 264.250(c) or 264.90(b)(2), an explanation of how the standards of 264.250(c) will be complied with or detailed plans and an engineering report describing how the requirements of section 264.90(b)(2) will be met. (12/93)

(c) Detailed plans and an engineering report describing how the waste pile is designed and is or will be constructed, operated, and maintained to meet the requirements of 264.19, 264.251, 264.252, and 264.253, addressing the following items: (12/93)

(1) (i) The liner system (except for an existing portion of a waste pile), if the waste pile must meet the requirements of 264.251(a). If an exemption from the requirement for a liner is sought as provided by 264.251(b), the owner or operator must submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time; (12/93)

(ii) The double liner and leak (leachate) detection, collection, and removal system, if the waste pile must meet the requirements of section 264.251(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by section 264.251(d), (e), or (f), submit appropriate information; (12/93)

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system; (12/93)

(iv) The construction quality assurance (CQA) plan if required under section 264.19; (12/93)

(v) Proposed action leakage rate, with rationale, if required under section 264.252, and response action plan, if required under section 264.253; (12/93)

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding units associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable;

(d) A description of how each waste pile, including the double liner system, leachate collection and removal system, leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of 264.254(a), (b), and (c). This information must be included in the inspection plan submitted under section 270.14(b)(5); (12/93)

(e) If treatment is carried out on or in the pile, details of the process and equipment used, and the nature and quality of the residuals;

(f) If ignitable or reactive wastes are to be placed in a waste pile, an explanation of how the requirements of 264.256 will be complied with;

(g) If incompatible wastes or incompatible wastes, and materials will be placed in a waste pile, an explanation of how 264.257 will be complied with;

(h) A description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under 264.258(a). For any waste not to be removed from the waste pile upon closure, the owner or operator must submit detailed plans and an engineering report describing how 264.310 (a) and (b) will be complied with. This information should be included in the closure plan and, where applicable, the postclosure plan submitted under section 270.14(b)(13). (11/90; 12/92; 12/93)

(i) A waste management plan for Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how a waste pile that is not enclosed (as defined in 264.250(c)) is or will be designed, constructed, operated, and maintained to meet the requirements of 264.259. This submission must address the following items as specified in 264.259:

(1) The volume, physical, and chemical characteristics of the wastes to be disposed in the waste pile, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials (12/92);

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

#### **270.19 Specific Part B information requirements for incinerators**

Except as 264.340 and 270.19(e) provide otherwise, owners and operators of facilities that incinerate hazardous waste must fulfill the requirements of (a), (b), or (c). (12/93, 6/03)

#### **270.19 Specific Part B information requirements for incinerators**

(a) When seeking an exemption under 264.340 (b) or (c) (ignitable, corrosive or reactive wastes only): (12/93)

(1) Documentation that the waste is listed as a hazardous waste in 261 subpart D solely because it is ignitable (Hazard Code I) or corrosive (Hazard Code C) or both; (5/96)

(2) Documentation that the waste is listed as a hazardous waste in 261 subpart D solely because it is reactive (Hazard Code R) for characteristics other than those listed in 261.23(a) (4) and (5), and will not be burned when other hazardous wastes are present in the combustion zone; or

(3) Documentation that the waste is a hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous waste under 261 subpart C; or

(4) Documentation that the waste is a hazardous waste solely because it possesses the reactivity characteristics listed in 261.23(a) (1), (2), (3), (6), (7), or (8), and that it will not be burned when other hazardous wastes are present in the combustion zone; or

(b) Submit a trial burn plan or the results of a trial burn, including all required determinations, in accordance with section 270.62; or

(c) In lieu of a trial burn, the applicant may submit the following information:

(1) An analysis of each waste or mixture of wastes to be burned including:

(i) Heat value of the waste in the form and composition in which it will be burned.

(ii) Viscosity (if applicable), or description of physical form of the waste.

(iii) An identification of any hazardous organic constituents listed in 261, appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in 261, appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6, or other equivalent. (12/93)

(iv) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6. (12/92; 12/93)

(v) A quantification of those hazardous constituents in the waste which may be designated as

## 270.20 Specific Part B information requirements for land treatment facilities

POHCs based on data submitted from other trial or operational burns which demonstrate compliance with the performance standards in 264.343. (12/92)

(2) A detailed engineering description of the incinerator, including:

- (i) Manufacturer's name and model number of incinerator.
- (ii) Type of incinerator.
- (iii) Linear dimension of incinerator unit including cross sectional area of combustion chamber.
- (iv) Description of auxiliary fuel system (type/feed).
- (v) Capacity of prime mover.
- (vi) Description of automatic waste feed cutoff system(s).
- (vii) Stack gas monitoring and pollution control monitoring system.
- (viii) Nozzle and burner design.
- (ix) Construction materials.
- (x) Location and description of temperature, pressure, and flow indicating devices and control devices.

(3) A description and analysis of the waste to be burned compared with the waste for which data from operational or trial burns are provided to support the contention that a trial burn is not needed. The data should include those items listed in paragraph (c)(1) of this section. This analysis should specify the POHCs which the applicant has identified in the waste for which a permit is sought, and any differences from the POHCs in the waste for which burn data are provided.

(4) The design and operating conditions of the incinerator unit to be used, compared with that for which comparative burn data are available.

(5) A description of the results submitted from any previously conducted trial burn(s) including:

- (i) Sampling and analysis techniques used to calculate performance standards in 264.343,
- (ii) Methods and results of monitoring temperatures, waste feed rates, carbon monoxide, and an appropriate indicator of combustion gas velocity (including a statement concerning the precision and accuracy of this measurement),

(6) The expected incinerator operation information to demonstrate compliance with 264.343 and 264.345 including:

- (i) Expected carbon monoxide (CO) level in the stack exhaust gas.
- (ii) Waste feed rate.
- (iii) Combustion zone temperature.
- (iv) Indication of combustion gas velocity.
- (v) Expected stack gas volume, flow rate, and temperature.
- (vi) Computed residence time for waste in the combustion zone.

(vii) Expected hydrochloric acid removal efficiency.

(viii) Expected fugitive emissions and their control procedures.

(ix) Proposed waste feed cut-off limits based on the identified significant operating parameters.

(7) Such supplemental information as the Department finds necessary to achieve the purposes of this paragraph.

(8) Waste analysis data, including that submitted in paragraph (c)(1) of this section, sufficient to allow the Department to specify as permit Principal Organic Hazardous Constituents (permit POHCs) those constituents for which destruction and removal efficiencies will be required. (12/93)

(d) The Department shall approve a permit application without a trial burn if he finds that: (12/93)

- (1) The wastes are sufficiently similar; and
- (2) The incinerator units are sufficiently similar, and the data from other trial burns are adequate to specify (under 264.345) operating conditions that will ensure that the performance standards in section 264.343 will be met by the incinerator.

(e) When an owner or operator demonstrates compliance with the air emission standards and limitations in 40 CFR part 63, Subpart EEE, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with 264.345(a) and 264.345(c) if you elect to comply with 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with 270.10(k) and 270.32(b)(2). (6/03)

## 270.20 Specific Part B information requirements for land treatment facilities

Except as otherwise provided in 264.1, owners and operators of facilities that use land treatment to dispose of hazardous waste must provide the following additional information:

(a) A description of plans to conduct a treatment demonstration as required under 264.272. The description must include the following information;

- (1) The wastes for which the demonstration will be made and the potential hazardous constituents in the waste;
- (2) The data sources to be used to make the demonstration (e.g., literature, laboratory data, field data, or operating data);
- (3) Any specific laboratory or field test that will be conducted, including:

(i) The type of test (e.g., column leaching, degradation);

(ii) Materials and methods, including analytical procedures;

(iii) Expected time for completion;

(iv) Characteristics of the unit that will be simulated in the demonstration, including treatment zone characteristics, climatic conditions, and operating practices.

(b) A description of a land treatment program, as required under 264. This information must be submitted with the plans for the treatment demonstration, and updated following the treatment demonstration. The land treatment program must address the following items:

(1) The wastes to be land treated;

(2) Design measures and operating practices necessary to maximize treatment in accordance with 264.273(a) including:

(i) Waste application method and rate;

(ii) Measures to control soil pH;

(iii) Enhancement of microbial or chemical reactions;

(iv) Control of moisture content;

(3) Provisions for unsaturated zone monitoring, including:

(i) Sampling equipment, procedures, and frequency;

(ii) Procedures for selecting sampling locations;

(iii) Analytical procedures;

(iv) Chain of custody control;

(v) Procedures for establishing background values;

(vi) Statistical methods for interpreting results;

(vii) The justification for any hazardous constituents recommended for selection as principal hazardous constituents, in accordance with the criteria for such selection in 264.278(a);

(4) A list of hazardous constituents reasonably expected to be in, or derived from, the wastes to be land treated based on waste analysis performed pursuant to 264.13;

(5) The proposed dimensions of the treatment zone;

(c) A description of how the unit is or will be designed, constructed, operated, and maintained in order to meet the requirements of 264.273. This submission must address the following items:

(1) Control of run-on;

(2) Collection and control of run-off;

(3) Minimization of run-off of hazardous constituents from the treatment zone;

(4) Management of collection and holding facilities associated with run-on and run-off control systems;

(5) Periodic inspection of the unit. This information should be included in the inspection plan submitted under 270.14(b)(5);

(6) Control of wind dispersal of particulate matter, if applicable;

(d) If food-chain crops are to be grown in or on the treatment zone of the land treatment unit, a description of how the demonstration required under 264.276(a) will be conducted including:

(1) Characteristics of the food-chain crop for which the demonstration will be made.

(2) Characteristics of the waste, treatment zone, and waste application method and rate to be used in the demonstration;

(3) Procedures for crop growth, sample collection, sample analysis, and data evaluation;

(4) Characteristics of the comparison crop including the location and conditions under which it was or will be grown;

(e) If food-chain crops are to be grown, and cadmium is present in the land treated waste, a description of how the requirements of 264.276(b) will be complied with;

(f) A description of the vegetative cover to be applied to closed portions of the facility, and a plan for maintaining such cover during the postclosure care period, as required under 264.280(a)(8) and 264.280(c)(2). This information should be included in the closure plan and, where applicable, the postclosure care plan submitted under 270.14(b)(13);

(g) If ignitable or reactive wastes will be placed in or on the treatment zone, an explanation of how the requirements of 264.281 will be complied with;

(h) If incompatible wastes, or incompatible wastes and materials, will be placed in or on the same treatment zone, an explanation of how 264.282 will be complied with.

(i) A waste management plan for Hazardous Waste Nos. FO20, FO21, FO22, FO23, FO26, and FO27 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of 264.283. This submission must address the following items as specified in 264.283: (12/93)

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuative properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

## 270.21 Specific Part B information requirements for landfills

Except as otherwise provided in 264.1, owners and operators of facilities that dispose of hazardous waste in landfills must provide the following additional information:

(a) A list of the hazardous wastes placed or to be placed in each landfill or landfill cell;

(b) Detailed plans and an engineering report describing how the landfill is designed and is or will be designed, constructed, operated, and maintained to meet the requirements of 264.19, 264.301, 264.302, and 264.303, addressing the following items: (12/93)

(1) (i) The liner system (except for an existing portion of a landfill), if the landfill must meet the requirements of 264.301(a). If an exemption from the requirement for a liner is sought as provided by 264.301(b), submit detailed plans, and engineering and hydrogeological reports, as appropriate, describing alternate designs and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the groundwater or surface water at any future time; (11/90; 12/93)

(ii) The double liner and leak (leachate) detection, collection, and removal system, if the landfill must meet the requirements of section 264.301(c). If an exemption from the requirements for double liners and a leak detection, collection, and removal system or alternative design is sought as provided by section 264.301(d), (e), or (f) of this chapter, submit appropriate information; (12/93)

(iii) If the leak detection system is located in a saturated zone, submit detailed plans and an engineering report explaining the leak detection system design and operation, and the location of the saturated zone in relation to the leak detection system; (12/93)

(iv) The construction quality assurance (CQA) plan if required under section 264.19; (12/93)

(v) Proposed action leakage rate, with rationale, if required under section 264.302 of this chapter, and response action plan, if required under section 264.303 of this chapter; (12/93)

(2) Control of run-on;

(3) Control of run-off;

(4) Management of collection and holding facilities associated with run-on and run-off control systems; and

(5) Control of wind dispersal of particulate matter, where applicable;

(c) A description of how each landfill, including the double liner system, leachate collection and removal system leak detection system, cover system, and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of 264.303(a), (b), and (c) of this chapter. This

information must be included in the inspection plan submitted under 270.14(b)(5); (8/00)

(d) A description of how each landfill, including the liner and cover systems, will be inspected in order to meet the requirements of 264.303 (a) and (b). This information should be included in the inspection plan submitted under 270.14(b)(5). (12/93)

(e) Detailed plans and an engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with 264.310(a), and a description of how each landfill will be maintained and monitored after closure in accordance with 264.310(b). This information should be included in the closure and postclosure plans submitted under 270.14(b)(13). (12/92)

(f) If ignitable or reactive wastes will be landfilled, an explanation of how the standards of 264.312 will be complied with; (12/93)

(g) If incompatible wastes, or incompatible wastes and materials will be landfilled, an explanation of how 264.313 will be complied with;

(h) [Reserved]

(i) If containers of hazardous waste are to be landfilled, an explanation of how the requirements of 264.315 or 264.316, as applicable, will be complied with (12/92).

(j) A waste management plan for Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a landfill is or will be designed, constructed, operated, and maintained to meet the requirements of 264.317. This submission must address the following items as specified in section 264.317: (12/93)

(1) The volume, physical, and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

(2) The attenuating properties of underlying and surrounding soils or other materials;

(3) The mobilizing properties of other materials co-disposed with these wastes; and

(4) The effectiveness of additional treatment, design, or monitoring techniques.

(k) An estimate with justifying documentation will specify how long the facility shall be expected to meet the desired minimum technology requirements after closure; (6/89)

## 270.22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste (12/94)

(a) Trial burns. When an owner or operator of a cement or lightweight aggregate kiln demonstrates compliance with the air emission standards and limitations in 40 CFR part 63, Subpart EEE, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the



**270.22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste (12/94)**

requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with 266.102(e)(1) and 266.102(e)(2)(iii) if you elect to comply with 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with 270.10(k) and 270.32(b)(2). (6/03)

(1) General. Except as provided below, owners and operators that are subject to the standards to control organic emissions provided by 266.104, standards to control particulate matter provided by 266.105, standards to control metals emissions provided by 266.106, or standards to control hydrogen chloride or chlorine gas emissions provided by 266.107 must conduct a trial burn to demonstrate conformance with those standards and must submit a trial burn plan or the results of a trial burn, including all required determinations, in accordance with 270.66.

(i) A trial burn to demonstrate conformance with a particular emission standard may be waived under provisions of 266.104 through 266.107 and paragraphs (a)(2) through (a)(5) of this section; and

(ii) The owner or operator may submit data in lieu of a trial burn, as prescribed in paragraph (a)(6) of this section.

**(2) Waiver of trial burn for DRE**

(i) Boilers operated under special operating requirements. When seeking to be permitted under 266.104(a)(4) and 266.110 that automatically waive the DRE trial burn, the owner or operator of a boiler must submit documentation that the boiler operates under the special operating requirements provided by 266.110.

(ii) Boilers and industrial furnaces burning low risk waste. When seeking to be permitted under the provisions for low risk waste provided by 266.104(a)(5) and 266.109(a) that waive the DRE trial burn, the owner or operator must submit:

(A) Documentation that the device is operated in conformance with the requirements of 266.109(a)(1).

(B) Results of analyses of each waste to be burned, documenting the concentrations of nonmetal compounds listed in appendix VIII of 261, except for those constituents that would reasonably not be expected to be in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion explained. The analysis must rely on analytical techniques specified in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (incorporated by reference, see 260.11).

(C) Documentation of hazardous waste firing rates and calculations of reasonable, worst-case emission rates of each constituent identified in paragraph (a)(2)(ii)(B) of this section using procedures provided by 266.109(a)(2)(ii).

(D) Results of emissions dispersion modeling for emissions identified in paragraphs (a)(2)(ii)(C) of this section using modeling procedures prescribed by 266.106(h). The Department will review the emission modeling conducted by the applicant to determine conformance with these procedures. The Department will either approve the modeling or determine that alternate or supplementary modeling is appropriate.

(E) Documentation that the maximum annual average ground level concentration of each constituent identified in paragraph (a)(2)(ii)(B) of this section quantified in conformance with paragraph (a)(2)(ii)(D) of this section does not exceed the allowable ambient level established in appendices IV or V of part 266. The acceptable ambient concentration for emitted constituents for which a specific Reference Air Concentration has not been established in appendix IV or Risk-Specific Dose has not been established in appendix V is 0.1 micrograms per cubic meter, as noted in the footnote to appendix IV.

(3) Waiver of trial burn for metals. When seeking to be permitted under the Tier I (or adjusted Tier I) metals feed rate screening limits provided by 266.106(b) and (e) that control metals emissions without requiring a trial burn, the owner or operator must submit:

(i) Documentation of the feed rate of hazardous waste, other fuels, and industrial furnace feed stocks;

(ii) Documentation of the concentration of each metal controlled by 266.106(b) or (e) in the hazardous waste, other fuels, and industrial furnace feedstocks, and calculations of the total feed rate of each metal;

(iii) Documentation of how the applicant will ensure that the Tier I feed rate screening limits provided by 266.106(b) or (e) will not be exceeded during the averaging period provided by that paragraph;

(iv) Documentation to support the determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use as provided by 266.106(b)(3) through (b)(5);

(v) Documentation of compliance with the provisions of 266.106(b)(6), if applicable, for facilities with multiple stacks;

(vi) Documentation that the facility does not fail the criteria provided by 266.106(b)(7) for eligibility to comply with the screening limits; and

**270.22 Specific Part B information requirements for boilers and industrial furnaces burning hazardous waste (12/94)**

(vii) Proposed sampling and metals analysis plan for the hazardous waste, other fuels, and industrial furnace feed stocks.

(4) Waiver of trial burn for particulate matter. When seeking to be permitted under the low risk waste provisions of 266.109(b) which waives the particulate standard (and trial burn to demonstrate conformance with the particulate standard), applicants must submit documentation supporting conformance with paragraphs (a)(2)(ii) and (a)(3) of this section.

(5) Waiver of trial burn for HCl and Cl<sub>2</sub>. When seeking to be permitted under the Tier I (or adjusted Tier I) feed rate screening limits for total chloride and chlorine provided by 266.107(b)(1) and (e) of this chapter that control emissions of hydrogen chloride (HCl) and chlorine gas (Cl<sub>2</sub>) without requiring a trial burn, the owner or operator must submit:

(i) Documentation of the feed rate of hazardous waste, other fuels, and industrial furnace feed stocks;

(ii) Documentation of the levels of total chloride and chlorine in the hazardous waste, other fuels, and industrial furnace feedstocks, and calculations of the total feed rate of total chloride and chlorine;

(iii) Documentation of how the applicant will ensure that the Tier I (or adjusted Tier I) feed rate screening limits provided by 266.107(b)(1) or (e) will not be exceeded during the averaging period provided by that paragraph;

(iv) Documentation to support the determination of the terrain-adjusted effective stack height, good engineering practice stack height, terrain type, and land use as provided by 266.107(b)(3);

(v) Documentation of compliance with the provisions of 266.107(b)(4), if applicable, for facilities with multiple stacks;

(vi) Documentation that the facility does not fail the criteria provided by 266.107(b)(3) for eligibility to comply with the screening limits; and

(vii) Proposed sampling and analysis plan for total chloride and chlorine for the hazardous waste, other fuels, and industrial furnace feedstocks.

(6) Data in lieu of trial burn. The owner or operator may seek an exemption from the trial burn requirements to demonstrate conformance with 266.104 through 266.107 and 270.66 by providing the information required by 270.66 from previous compliance testing of the device in conformance with 266.103, or from compliance testing or trial or operational burns of similar boilers or industrial furnaces burning similar hazardous wastes under similar conditions. If data from a similar device is used to support a trial burn waiver, the design and operating information required by 270.66 must be

provided for both the similar device and the device to which the data is to be applied, and a comparison of the design and operating information must be provided. The Department shall approve a permit application without a trial burn if he finds that the hazardous wastes are sufficiently similar, the devices are sufficiently similar, the operating conditions are sufficiently similar, and the data from other compliance tests, trial burns, or operational burns are adequate to specify (under 266.102) operating conditions that will ensure conformance with 266.102(c). In addition, the following information shall be submitted:

(i) For a waiver from any trial burn:

(A) A description and analysis of the hazardous waste to be burned compared with the hazardous waste for which data from compliance testing, or operational or trial burns are provided to support the contention that a trial burn is not needed;

(B) The design and operating conditions of the boiler or industrial furnace to be used, compared with that for which comparative burn data are available; and

(C) Such supplemental information as the Department finds necessary to achieve the purposes of this paragraph.

(ii) For a waiver of the DRE trial burn, the basis for selection of POHCs used in the other trial or operational burns which demonstrate compliance with the DRE performance standard in 266.104(a). This analysis should specify the constituents in appendix VIII, part 261, that the applicant has identified in the hazardous waste for which a permit is sought, and any differences from the POHCs in the hazardous waste for which burn data are provided.

(b) Alternative HC limit for industrial furnaces with organic matter in raw materials. Owners and operators of industrial furnaces requesting an alternative HC limit under 266.104(f) shall submit the following information at a minimum:

(1) Documentation that the furnace is designed and operated to minimize HC emissions from fuels and raw materials;

(2) Documentation of the proposed baseline flue gas HC (and CO) concentration, including data on HC (and CO) levels during tests when the facility produced normal products under normal operating conditions from normal raw materials while burning normal fuels and when not burning hazardous waste;

(3) Test burn protocol to confirm the baseline HC (and CO) level including information on the type and flow rate of all feedstreams, point of introduction of all feedstreams, total organic carbon content (or other appropriate measure of organic content) of all nonfuel feedstreams, and operating conditions that affect combustion of fuel(s) and destruction of hydrocarbon emissions from nonfuel sources;

#### **270.24 Specific Part B information requirements for process vents (12/92)**

(4) Trial burn plan to:

(i) Demonstrate that flue gas HC (and CO) concentrations when burning hazardous waste do not exceed the baseline HC (and CO) level; and

(ii) Identify the types and concentrations of organic compounds listed in appendix VIII, part 261, that are emitted when burning hazardous waste in conformance with procedures prescribed by the Department;

(5) Implementation plan to monitor over time changes in the operation of the facility that could reduce the baseline HC level and procedures to periodically confirm the baseline HC level; and

(6) Such other information as the Department finds necessary to achieve the purposes of this paragraph.

(c) Alternative metals implementation approach. When seeking to be permitted under an alternative metals implementation approach under 266.106(f), the owner or operator must submit documentation specifying how the approach ensures compliance with the metals emissions standards of 266.106(c) or (d) and how the approach can be effectively implemented and monitored. Further, the owner or operator shall provide such other information that the Department finds necessary to achieve the purposes of this paragraph.

(d) Automatic waste feed cutoff system. Owners and operators shall submit information describing the automatic waste feed cutoff system, including any pre-alarm systems that may be used.

(e) Direct transfer. Owners and operators that use direct transfer operations to feed hazardous waste from transport vehicles (containers, as defined in 266.111) directly to the boiler or industrial furnace shall submit information supporting conformance with the standards for direct transfer provided by 266.111.

(f) Residues. Owners and operators that claim that their residues are excluded from regulation under the provisions of 266.112 must submit information adequate to demonstrate conformance with those provisions.

#### **270.23 Specific Part B information requirements for miscellaneous units**

Except as otherwise provided in 264.600, owners and operators of facilities that treat, store, or dispose of hazardous waste in miscellaneous units must provide the following additional information: (11/90)

(a) A detailed description of the unit being used or proposed for use, including the following:

(1) Physical characteristics, materials of construction, and dimensions of the unit;

(2) Detailed plans and engineering reports describing how the unit will be located, designed, constructed, operated, maintained, monitored,

inspected, and closed to comply with the requirements of 264.601 and 264.602; and

(3) For disposal units, a detailed description of the plans to comply with the postclosure requirements of 264.603.

(b) Detailed hydrologic, geologic, and meteorologic assessments and land use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in the environmental performance standards of 264.601. If the applicant can demonstrate that he does not violate the environmental performance standards of 264.601 and the Department agrees with such demonstration, preliminary hydrologic, geologic, and meteorologic assessments will suffice.

(c) Information on the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents and on the potential magnitude and nature of such exposures.

(d) For any treatment unit, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data.

(e) Any additional information determined by the Department to be necessary for evaluation of compliance of the unit with the environmental performance standards of 264.601.

#### **270.24 Specific Part B information requirements for process vents (12/92)**

Except as otherwise provided in 264.1, owners and operators of facilities that have process vents to which subpart AA of part 264 applies must provide the following additional information:

(a) For facilities that cannot install a closed-vent system and control device to comply with the provisions of 264 subpart AA on the effective date that the facility becomes subject to the provisions of 264 or 265 subpart AA, an implementation schedule as specified in 264.1033(a)(2).

(b) Documentation of compliance with the process vent standards in 264.1032, including:

(1) Information and data identifying all affected process vents, annual throughput and operating hours of each affected unit, estimated emission rates for each affected vent and for the overall facility (i.e., the total emissions for all affected vents at the facility), and the approximate location within the facility of each affected unit (e.g., identify the hazardous waste management units on a facility plot plan).

(2) Information and data supporting estimates of vent emissions and emission reduction achieved by add-on control devices based on engineering calculations or source tests. For the purpose of determining compliance, estimates of vent emissions and emission reductions must be made using operating parameter values (e.g., temperatures, flow rates, or

#### 270.25 Specific Part B information requirements for equipment (12/92)

concentrations) that represent the conditions that exist when the waste management unit is operating at the highest load or capacity level reasonably expected to occur.

(3) Information and data used to determine whether or not a process vent is subject to the requirements of 264.1032.

(c) Where an owner or operator applies for permission to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system to comply with the requirements of 264.1032, and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, a performance test plan as specified in 264.1035(b)(3).

(d) Documentation of compliance with 264.1033, including:

(1) A list of all information references and sources used in preparing the documentation.

(2) Records, including the dates, of each compliance test required by 264.1033(k).

(3) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of APTI Course 415: Control of Gaseous Emissions (incorporated by reference as specified in 260.11) or other engineering texts acceptable to the Department or Regional Administrator that present basic control device design information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii). (5/96)

(4) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the conditions that exist when the hazardous waste management unit is or would be operating at the highest load or capacity level reasonably expected to occur.

(5) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of 95 weight percent or greater unless the total organic emission limits of 264.1032(a) for affected process vents at the facility can be attained by a control device involving vapor recovery at an efficiency less than 95 weight percent.

#### 270.25 Specific Part B information requirements for equipment (12/92)

Except as otherwise provided in 264.1, owners and operators of facilities that have equipment to which subpart BB of part 264 applies must provide the following additional information:

(a) For each piece of equipment to which subpart BB of part 264 applies:

(1) Equipment identification number and hazardous waste management unit identification.

(2) Approximate locations within the facility (e.g., identify the hazardous waste management unit on a facility plot plan).

(3) Type of equipment (e.g., a pump or pipeline valve).

(4) Percent by weight total organics in the hazardous waste stream at the equipment.

(5) Hazardous waste state at the equipment (e.g., gas/vapor or liquid).

(6) Method of compliance with the standard (e.g., monthly leak detection and repair or equipped with dual mechanical seals).

(b) For facilities that cannot install a closed-vent system and control device to comply with the provisions of 264 subpart BB on the effective date that the facility becomes subject to the provisions of 264 or 265 subpart BB, an implementation schedule as specified in 264.1033(a)(2).

(c) Where an owner or operator applies for permission to use a control device other than a thermal vapor incinerator, catalytic vapor incinerator, flare, boiler, process heater, condenser, or carbon adsorption system and chooses to use test data to determine the organic removal efficiency or the total organic compound concentration achieved by the control device, a performance test plan as specified in 264.1035(b)(3).

(d) Documentation that demonstrates compliance with the equipment standards in 264.1052 to 264.1059. This documentation shall contain the records required under 264.1064. The Department or Regional Administrator may request further documentation before deciding if compliance has been demonstrated. (5/96)

(e) Documentation to demonstrate compliance with 264.1060 shall include the following information:

(1) A list of all information references and sources used in preparing the documentation.

(2) Records, including the dates, of each compliance test required by 264.1033(j).

(3) A design analysis, specifications, drawings, schematics, and piping and instrumentation diagrams based on the appropriate sections of ATPI Course 415: Control of Gaseous Emissions (incorporated by reference as specified in 260.11) or other engineering texts acceptable to the Department or Regional Administrator that present basic control device design information. The design analysis shall address the vent stream characteristics and control device operation parameters as specified in 264.1035(b)(4)(iii). (5/96)

(4) A statement signed and dated by the owner or operator certifying that the operating parameters used in the design analysis reasonably represent the

**270.27 Specific Part B information requirements for air emission controls for tanks, surface impoundments, and containers (9/98)**  
conditions that exist when the hazardous waste management unit is operating at the highest load or capacity level reasonably expected to occur.

(5) A statement signed and dated by the owner or operator certifying that the control device is designed to operate at an efficiency of 95 weight percent or greater.

**270.26 Special Part B information requirements for drip pads (12/92)**

Except as otherwise provided by 264.1 of this chapter, owners and operators of hazardous waste treatment, storage, or disposal facilities that collect, store, or treat hazardous waste on drip pads must provide the following additional information:

(a) A list of hazardous wastes placed or to be placed on each drip pad.

(b) If an exemption is sought to subpart F of part 264 of this chapter, as provided by 264.90 of this chapter, detailed plans and an engineering report describing how the requirements of 264.90(b)(2) of this chapter will be met.

(c) Detailed plans and an engineering report describing how the drip pad is or will be designed, constructed, operated and maintained to meet the requirements of 264.573 of this chapter, including the as-built drawings and specifications. This submission must address the following items as specified in 264.571 of this chapter:

(1) The design characteristics of the drip pad;

(2) The liner system;

(3) The leakage detection system, including the leak detection system and how it is designed to detect the failure of the drip pad or the presence of any releases of hazardous waste or accumulated liquid at the earliest practicable time;

(4) Practices designed to maintain drip pads;

(5) The associated collection system;

(6) Control of run-on to the drip pad;

(7) Control of run-off from the drip pad;

(8) The interval at which drippage and other materials will be removed from the associated collection system and a statement demonstrating that the interval will be sufficient to prevent overflow onto the drip pad;

(9) Procedures for cleaning the drip pad at least once every seven days to ensure the removal of any accumulated residues of waste or other materials, including but not limited to rinsing, washing with detergents or other appropriate solvents, or steam cleaning and provisions for documenting the date, time, and cleaning procedure used each time the pad is cleaned.

(10) Operating practices and procedures that will be followed to ensure that tracking of hazardous waste or waste constituents off the drip pad due to activities by personnel or equipment is minimized;

(11) Procedures for ensuring that, after removal from the treatment vessel, treated wood from pressure and non-pressure processes is held on the drip pad until drippage has ceased, including recordkeeping practices;

(12) Provisions for ensuring that collection and holding units associated with the run-on and run-off control systems are emptied or otherwise managed as soon as possible after storms to maintain design capacity of the system;

(13) If treatment is carried out on the drip pad, details of the process equipment used, and the nature and quality of the residuals.

(14) A description of how each drip pad, including appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of 264.573 of this chapter. This information should be included in the inspection plan submitted under 270.14(b)(5) of this part.

(15) A certification signed by an independent qualified, registered professional engineer, stating that the drip pad design meets the requirements of paragraphs (a) through (f) of 264.573 of this chapter.

(16) A description of how hazardous waste residues and contaminated materials will be removed from the drip pad at closure, as required under 264.575(a) of this chapter. For any waste not to be removed from the drip pad upon closure, the owner or operator must submit detailed plans and an engineering report describing how 264.310 (a) and (b) of this chapter will be complied with. This information should be included in the closure plan and, where applicable, the postclosure plan submitted under 270.14(b)(13).

**270.27 Specific Part B information requirements for air emission controls for tanks, surface impoundments, and containers (9/98)**

(a) Except as otherwise provided in 264.1, owners and operators of tanks, surface impoundments, or containers that use air emission controls in accordance with the requirements of 264, subpart CC shall provide the following additional information:

(1) Documentation for each floating roof cover installed on a tank subject to 264.1084(d)(1) or 264.1084(d)(2) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the applicable design specifications as listed in 264.1084(e)(1) or 264.1084(f)(1).

(2) Identification of each container area subject to the requirements of 264, subpart CC and certification by the owner or operator that the requirements of this subpart are met.

(3) Documentation for each enclosure used to control air pollutant emissions from tanks or

containers in accordance with the requirements of 264.1084(d)(5) or 264.1086(e)(1)(ii) that includes records for the most recent set of calculations and measurements performed by the owner or operator to verify that the enclosure meets the criteria of a permanent total enclosure as specified in "Procedure T-Criteria for and Verification of a Permanent or Temporary Total Enclosure" under 40 CFR 52.741, appendix B.

(4) Documentation for each floating membrane cover installed on a surface impoundment in accordance with the requirements of 264.1085(c) that includes information prepared by the owner or operator or provided by the cover manufacturer or vendor describing the cover design, and certification by the owner or operator that the cover meets the specifications listed in 264.1085(c)(1).

(5) Documentation for each closed-vent system and control device installed in accordance with the requirements of 264.1087 that includes design and performance information as specified in 270.24(c) and (d) of this part. (9/01)

(6) An emission monitoring plan for both Method 21 in 40 CFR part 60, appendix A and control device monitoring methods. This plan shall include the following information: monitoring point(s), monitoring methods for control devices, monitoring frequency, procedures for documenting exceedances, and procedures for mitigating noncompliances.

(7) When an owner or operator of a facility subject to part 265, subpart CC cannot comply with part 264, subpart CC by the date of permit issuance, the schedule of implementation required under 265.1082. (9/01)

#### **270.28 Part B information requirements for postclosure permits.**

For postclosure permits, the owner or operator is required to submit only the information specified in 270.14(b)(1), (4), (5), (6), (11), (13), (14), (16), (18) and (19), (c), and (d), unless the Department determines that additional information from 270.14, 270.16, 270.17, 270.18, 270.20, or 270.21 is necessary. (8/00)

#### **270.29 Permit denial (12/92)**

The Department, pursuant to the procedures in part 124, deny the permit application either in its entirety or as to the active life of a hazardous waste management facility or unit only.

### **Subpart C - PERMIT CONDITIONS**

#### **270.30 Conditions applicable to all permits**

The following conditions apply to all permits under these regulations, and shall be incorporated into the permits either expressly or by reference. If

**270.30 Conditions applicable to all permits** incorporated by reference, a specific citation to these regulations must be given in the permit. (12/92)

(a) Duty to comply. The permittee must comply with all conditions included in his approved permit application, all conditions and restrictions placed upon its permit, all applicable regulations promulgated pursuant to the Act, and all orders issued by the Board, Commissioner, or Department, except that the permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency permit. (See 270.61).. Any permit noncompliance, except under the terms of an emergency permit, constitutes a violation of the appropriate Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. (12/93)

(b) Duty to reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. (12/92)

(c) Need to halt or reduce activity not a defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

(d) In the event of noncompliance with the permit, the permittee shall take all reasonable steps to minimize releases to the environment, and shall carry out such measures as are reasonable to prevent significant adverse impacts on human health or the environment.

(e) Proper operation and maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of backup or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of the permit.

(f) Permit actions. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition. (12/92)

(g) Property rights. The permit does not convey any property rights of any sort, or any exclusive privilege. (12/92)

(h) Duty to provide information. The permittee shall furnish to the Department, within a reasonable time, any relevant information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by this permit.

(i) Inspection and entry. The permittee shall allow an authorized representative of the Department upon the presentation of credentials and other documents as may be required by law to:

(1) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(3) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

(4) Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Act, any substances or parameters at any location.

(j) Monitoring and records.

(1) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.

(2) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, the certification required by 264.73(b)(9), and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report, certification, or application. This period may be extended by request of the Department at any time. The permittee shall maintain records from all groundwater monitoring wells and associated groundwater surface elevations, for the active life of the facility, and for disposal facilities for the postclosure care period as well. (12/92)

(3) Records for monitoring information shall include: (12/92)

(i) The date, exact place, and time of sampling or measurements;

(ii) The individual(s) who performed the sampling or measurements;

(iii) The date(s) analyses were performed;

(iv) The individual(s) who performed the analyses;

(v) The analytical techniques or methods used; and

(vi) The results of such analyses.

(k) Signatory requirements. All applications, reports, or information submitted to the Department shall be signed and certified. (See 270.11.)

(l) Reporting requirements.

(1) Planned changes. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility. (12/93)

(2) Anticipated noncompliance. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. For a new facility, the permittee may not treat, store, or dispose of hazardous waste; and for a facility being modified, the permittee may not treat, store, or dispose of hazardous waste in the modified portion of the facility except as provided in 270.42, until: (11/90)

(i) The permittee has submitted to the Department by certified mail or hand delivery a letter signed by the permittee and a registered professional engineer stating that the facility has been constructed or modified in compliance with the permit; and

(ii) (A) The Department has inspected the modified or newly constructed facility and finds it is in compliance with the conditions of the permit; or (12/92, 9/98)

(B) Within 15 days of the date of submission of the letter in paragraph (1)(2)(i) of this section, the permittee has not received notice from the Department of his or her intent to inspect, prior inspection is waived and the permittee may commence treatment, storage, or disposal of hazardous waste.

(3) Transfers. The Department may transfer a permit when notified according to the provisions of Section 270.40. This permit is not transferable to any person. The Department may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under these Regulations. (See 270.40) (12/93)

(4) Monitoring reports. Monitoring results shall be reported at the intervals specified by the Department.

(5) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date. (12/92)

(6) Twenty-four hour reporting. (12/92)

(i) The permittee shall report any noncompliance which may endanger health or the environment orally to the Department within 24 hours

from the time the permittee becomes aware of the circumstances, including: (12/92)

(A) Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.

(B) Any information of a release or discharge of hazardous waste or of a fire or explosion from the HWM facility, which could threaten the environment or human health outside the facility.

(ii) The description of the occurrence and its cause shall include:

(A) Name, address, and telephone number of the owner or operator;

(B) Name, address, and telephone number of the facility;

(C) Date, time, and type of incident;

(D) Name and quantity of material(s) involved;

(E) The extent of injuries, if any;

(F) An assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and

(G) Estimated quantity and disposition of recovered material that resulted from the incident.

(iii) A written submission shall also be provided to the Department within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The Department may waive the five day written notice requirement in favor of a written report within fifteen days. (12/92)

(7) Manifest discrepancy report: If a significant discrepancy in a manifest is discovered, the permittee must attempt to reconcile the discrepancy. If not resolved within fifteen days, the permittee must submit a letter report, including a copy of the manifest, to the Department (See 264.72.) (12/92)

(8) Unmanifested waste report: This report must be submitted to the Department within 15 days of receipt of unmanifested waste. (See 264.76) (12/92)

(9) Quarterly reports. The permittee shall submit quarterly reports of waste types and quantities as specified by 264.75.

(10) Other noncompliance. The permittee shall report all instances of noncompliance not reported under paragraphs (1)(4), (5), and (6) at the time quarterly reports are submitted. The reports shall contain the information listed in paragraph (1)(6) of this section. (12/92; 12/93)

(11) Other information. Where the permittee becomes aware that it failed to submit any

### **270.33 Schedules of compliance**

relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information. (12/92)

(m) Information repository. The Department may require the permittee to establish and maintain an information repository at any time, based on the factors set forth in 124.33(b). The information repository will be governed by the provisions in 124.33(c) through (f). (9/98)

### **270.31 Requirements for recording and reporting of monitoring results**

All permit applications shall specify:

(a) The proper use, maintenance, and installation, when appropriate, of monitoring equipment or methods (including biological monitoring methods when appropriate);

(b) Required monitoring including type, intervals, and frequency sufficient to yield data which are representative of the monitored activity including, when appropriate, continuous monitoring;

(c) Applicable reporting requirements based upon the impact of the regulated activity and as specified in 264, 265, and 266. Reporting shall be no less frequent than specified in the above regulations. (11/90)

### **270.32 Establishing permit conditions**

(a) In addition to conditions required in all permits (section 270.30), the Department shall establish conditions, as required on a case-by-case basis, in permits under 270.50 (duration of permits), 270.33(a) (schedules of compliance), 270.31 (monitoring), 270.33(b) (alternate schedules of compliance) and 270.3 (considerations under Federal law). (12/92; 12/93)

(b) (1) Each RCRA permit shall include permit conditions necessary to achieve compliance with the Act and regulations, including each of the applicable requirements specified in 264, and 266 through 268. In satisfying this provision, the Department may incorporate applicable requirements of parts 264, and 266 through 268 of this chapter directly into the permit or establish other permit conditions that are based on these parts. (12/92; 12/93)

(2) Each permit issued under section 3005 of RCRA shall contain terms and conditions as the Department determines necessary to protect human health and the environment. (12/92; 12/93)

### **270.33 Schedules of compliance**

(a) The permit may, when appropriate, specify a schedule of compliance leading to compliance with the Act and regulations. (12/93)

(1) Time for compliance. Any schedules of compliance under this section shall require compliance as soon as possible.



(2) Interim dates. Except as provided in paragraph (b)(1)(ii) of this section, if a permit establishes a schedule of compliance which exceeds 1 year from the date of permit issuance, the schedule shall set forth interim requirements and the dates for their achievement. (12/93)

(i) The time between interim dates shall not exceed 1 year.

(ii) If the time necessary for completion of any interim requirement is more than 1 year and is not readily divisible into stages for completion, the permit shall specify interim dates for the submission of reports of progress toward completion of the interim requirements and indicate a projected completion date. (12/93)

(3) Reporting. The permit shall be written to require that no later than 14 days following each interim date and the final date of compliance, the permittee shall notify the Department in writing of its compliance or noncompliance with the interim or final requirements. (12/93)

(b) Alternative schedules of compliance. A RCRA permit applicant or permittee may cease conducting regulated activities (by receiving a terminal volume of hazardous waste and, for treatment and storage HWM facilities, closing pursuant to applicable requirements; and, for disposal HWM facilities, closing and conducting postclosure care pursuant to applicable requirements) rather than continue to operate and meet permit requirements as follows: (11/90; 12/93)

(1) If the permittee decides to cease conducting regulated activities at a given time within the term of a permit which has already been issued:

(i) The permit may be modified to contain a new or additional schedule leading to timely cessation of activities; or

(ii) The permittee shall cease conducting permitted activities before noncompliance with any interim or final compliance schedule requirement already specified in the permit.

(2) If the decision to cease conducting regulated activities is made before issuance of a permit whose term will include the termination date, the permit shall contain a schedule leading to termination which will ensure timely compliance with applicable requirements.

(3) If the permittee is undecided whether to cease conducting regulated activities, the Department may issue or modify a permit to contain two schedules as follows:

(i) Both schedules shall contain an identical interim deadline requiring a final decision on whether to cease conducting regulated activities no later than a date which ensures sufficient time to comply with applicable requirements in a timely

#### **270.40 Transfer of permits (6/97)**

manner if the decision is to continue conducting regulated activities; (12/93)

(ii) One schedule shall lead to timely compliance with applicable requirements;

(iii) The second schedule shall lead to cessation of regulated activities by a date which will ensure timely compliance with applicable requirements; (12/93)

(iv) Each permit containing two schedules shall include a requirement that after the permittee has made a final decision under paragraph (b)(3)(i) of this section it shall follow the schedule leading to compliance if the decision is to continue conducting regulated activities, and follow the schedule leading to termination if the decision is to cease conducting regulated activities.

(4) The applicant's or permittee's decision to cease conducting regulated activities shall be evidenced by a firm public commitment satisfactory to the Department, such as resolution of the board of directors of a corporation.

### **Subpart D - CHANGES TO PERMIT**

#### **270.40 Transfer of permits (6/97)**

(a) A permit may be transferred by the permittee to a new owner or operator only if the permit has been modified or revoked and reissued (under 270.40(b) or 270.41(b)(2)) to identify the new permittee and incorporate such other requirements as may be necessary under the appropriate Act. (6/97)

(b) Changes in the ownership or operational control of a facility may be made as a Class 1 modification with prior written approval of the Department in accordance with 270.42. The new owner or operator must submit a revised permit application no later than 90 days prior to the scheduled change. A written agreement containing a specific date for transfer of permit responsibility between the current and new permittees must also be submitted to the Department. When a transfer of ownership or operational control occurs, the old owner or operator shall comply with the requirements of Part 264, Subpart H (Financial Requirements) until the new owner or operator has demonstrated that he or she is complying with the requirements of that subpart. The new owner or operator must demonstrate compliance with subpart H requirements within six months of the date of the change of ownership or operational control of the facility. Upon demonstration to the Department by the new owner or operator of compliance with subpart H, the Department shall notify the old owner or operator that he or she no longer needs to comply with subpart H as of the date of demonstration. (5/93, 6/97)

#### **270.41 Modification or revocation and reissuance of permits (6/97)**

When the Department receives any information (for example, inspects the facility, receives information submitted by the permittee as required in the permit (see section 270.30), receives a request for modification or revocation and reissuance under 124.5 or conducts a review of the permit file), it may determine whether one or more of the causes listed in paragraphs (a) and (b) of this section for modification, or revocation and reissuance or both exist. If cause exists, the Department may modify or revoke and reissue the permit accordingly, subject to the limitations of paragraph (c) of this section, and may request an updated application if necessary. When a permit is modified, only the conditions subject to modification are reopened. If a permit is revoked and reissued, the entire permit is reopened and subject to revision and the permit is reissued for a new term. (See 124.5.) If cause does not exist under this section, the Department shall not modify or revoke and reissue the permit, except on request of the permittee. If a permit modification is requested by the permittee, the Department shall approve or deny the request according to the procedures of section 270.42. Otherwise, a draft permit must be prepared and other procedures in 124 followed. (5/93, 12/93, 6/97)

(a) Causes for modification. The following are causes for modification, but not revocation and reissuance, of permits; the following may be causes for revocation and reissuance, as well as modification, when the permittee requests or agrees.

(1) Alterations. There are material and substantial alterations or additions to the permitted facility or activity which occurred after permit issuance which justify the application of permit conditions that are different or absent in the existing permit.

(2) Information. The Department has received information. Permits may be modified during their terms for this cause only if the information was not available at the time of permit issuance (other than revised regulations, guidance, or test methods) and would have justified the application of different permit conditions at the time of issuance.

(3) New statutory requirements or regulations. The standards or regulations on which the permit was based have been changed by statute, through promulgation of new or amended standards or regulations, or by judicial decision after the permit was issued. (5/93)

(4) Compliance schedules. The Department determines good cause exists for modification of a compliance schedule, such as an act of God, strike, flood, or materials shortage or other events over which the permittee has little or no control and for which there is no reasonably available remedy.

#### **270.42 Permit modification at the request of the permittee (5/93, 6/97)**

(5) Notwithstanding any other provision in this section, when a permit for a land disposal facility is reviewed by the Department under section 270.50(d), the Department shall modify the permit as necessary to assure that the facility continues to comply with the currently applicable requirements in 124, 260 through 266, and 270. (5/93, 12/93, 6/97)

(b) Causes for modification or revocation and reissuance. The following are causes to modify or, alternatively, revoke and reissue a permit:

(1) Cause exists for termination under Section 270.43, and the Department determines that modification or revocation and reissuance is appropriate. (12/93)

(2) The Department has received notification see section 270.30(1)(3)) of a proposed transfer of the permit. (12/93)

(c) Facility siting. Suitability of the facility location will not be considered at the time of permit modification or revocation and reissuance unless new information or standards indicate that a threat to human health or the environment exists which was unknown at the time of permit issuance. (12/93)

#### **270.42 Permit modification at the request of the permittee (5/93, 6/97)**

(a) Class 1 modifications. (6/97)

(1) Except as provided in paragraph (a)(2) of this section, the permittee may put into effect Class 1 modifications listed in Appendix I of this section under the following conditions:

(i) The permittee must notify the Department concerning the modification by certified mail or other means that establish proof of delivery within 7 calendar days after the change is put into effect. This notice must specify the changes being made to permit conditions or supporting documents referenced by the permit and must explain why they are necessary. Along with the notice, the permittee must provide the applicable information required by 270.13 through 270.21, 270.62, and 270.63.

(ii) The permittee must send a notice of the modification to all persons on the facility mailing list, maintained by the Department in accordance with 124.10(c), and the appropriate units of State and local government, as specified in 124.10(c). This notification must be made within 90 calendar days after the change is put into effect. For the Class I modifications that require prior Department approval, the notification must be made within 90 calendar days after the Department approves the request.

(iii) Any person may request the Department to review, and the Department may for cause reject in accordance with 124.5, any Class 1 modification. The Department must inform the permittee by certified mail that a Class 1 modification has been rejected, explaining the reasons for the

rejection. If a Class 1 modification has been rejected, the permittee must comply with the original permit conditions.

(2) Class 1 permit modifications identified in appendix I by a superscript may be made only with the prior written approval of the Department.

(3) For a Class 1 permit modification, the permittee may elect to follow the procedures in 270.42(b) for Class 2 modifications instead of the Class 1 procedures. The permittee must inform the Department of this decision in the notice required in 270.42(b)(1).

(b) Class 2 modifications. (6/97)

(1) For Class 2 modifications, listed in Appendix I of this section, the permittee must submit a modification request to the Department that:

(i) Describes the exact change to be made to the permit conditions and supporting documents referenced by the permit;

(ii) Identifies that the modification is a Class 2 modification;

(iii) Explains why the modification is needed; and

(iv) Provides the applicable information required by 270.13 through 270.21, 270.62, and 270.63. (6/03)

(2) The permittee must send a notice of the modification request to all persons on the facility mailing list maintained by the Department and to the appropriate units of State and local government as specified in 124.10(c) and must publish this notice in a major local newspaper of general circulation. This notice must be mailed and published within 7 days before or after the date of submission of the modification request, and the permittee must provide to the Department evidence of the mailing and publication. The notice must include:

(i) Announcement of a 60-day comment period, in accordance with 270.42(b)(5), and the name and address of a Department contact to whom comments must be sent;

(ii) Announcement of the date, time, and place for a public meeting held in accordance with 270.42(b)(4);

(iii) Name and telephone number of the permittee's contact person;

(iv) Name and telephone number of a Department contact person;

(v) Location where copies of the modification request and any supporting documents can be viewed and copied; and

(vi) The following statement: "The permittee's compliance history during the life of the permit being modified is available from the Department contact person."

(3) The permittee must place a copy of the permit modification request and supporting documents

in a location accessible to the public in the vicinity of the permitted facility.

(4) The permittee must hold a public meeting no earlier than 15 days after the publication of the notice required in paragraph (b)(2) of this section and no later than 15 days before the close of the 60-day comment period. The meeting must be held to the extent practicable in the vicinity of the permitted facility.

(5) The public shall be provided 60 days to comment on the modification request. The comment period will begin on the date the permittee publishes the notice in the local newspaper. Comments should be submitted to the Department contact identified in the public notice.

(6) (i) No later than 90 days after receipt of the notification request, the Department must:

(A) Approve the modification request, with or without changes, and modify the permit accordingly;

(B) Deny the request;

(C) Determine that the modification request must follow the procedures in 270.42(c) for Class 3 modifications for the following reasons:

(1) There is significant public concern about the proposed modification; or

(2) The complex nature of the change requires the more extensive procedures of Class 3.

(D) Approve the request, with or without changes, as a temporary authorization having a term of up to 180 days, or

(E) Notify the permittee that the Department will decide on the request within the next 30 days.

(ii) If the Department notifies the permittee of a 30-day extension for a decision, the Department must, no later than 120 days after receipt of the modification request:

(A) Approve the modification request, with or without changes, and modify the permit accordingly;

(B) Deny the request; or

(C) Determine that the modification request must follow the procedures in 270.42(c) for Class 3 modifications for the following reasons:

(1) There is significant public concern about the proposed modification; or

(2) The complex nature of the change requires the more extensive procedures of Class 3.

(D) Approve the request, with or without changes, as a temporary authorization having a term of up to 180 days.

(iii) If the Department fails to make one of the decisions specified in paragraph (b)(6)(ii) of this section by the 120th day after receipt of the

modification request, the permittee is automatically authorized to conduct the activities described in the modification request for up to 180 days, without formal Department action. The authorized activities must be conducted as described in the permit modification request and must be in compliance with all appropriate standards of Part 265. If the Department approves, with or without changes, or denies the modification request during the term of the temporary or automatic authorization provided for in paragraphs (b)(6) (i), (ii), or (iii) of this section, such action cancels the temporary or automatic authorization.

(iv) (A) In the case of an automatic authorization under paragraph (b)(6)(iii) of this section, or a temporary authorization under paragraph (b)(6) (i)(D) or (ii)(D) of this section, if the Department has not made a final approval or denial of the modification request by the date 50 days prior to the end of the temporary or automatic authorization, the permittee must within seven days of that time send a notification to persons on the facility mailing list, and make a reasonable effort to notify other persons who submitted written comments on the modification request, that:

(1) The permittee has been authorized temporarily to conduct the activities described in the permit modification request, and

(2) Unless the Department acts to give final approval or denial of the request by the end of the authorization period, the permittee will receive authorization to conduct such activities for the life of the permit.

(B) If the owner/operator fails to notify the public by the date specified in paragraph (b)(6)(iv)(A) of this section, the effective date of the permanent authorization will be deferred until 50 days after the owner/operator notifies the public.

(v) Except as provided in paragraph (b)(6)(vii) of this section, if the Department does not finally approve or deny a modification request before the end of the automatic or temporary authorization period or reclassify the modification as a Class 3, the permittee is authorized to conduct the activities described in the permit modification request for the life of the permit unless modified later under 270.41 or 270.42. The activities authorized under this paragraph must be conducted as described in the permit modification request and must be in compliance with all appropriate standards of Part 265.

(vi) In making a decision to approve or deny a modification request, including a decision to issue a temporary authorization or to reclassify a modification as a Class 3, the Department must consider all written comments submitted to the Department during the public comment period and

**270.42 Permit modification at the request of the permittee (5/93, 6/97)**  
must respond in writing to all significant comments in his or her decision.

(vii) With the written consent of the permittee, the Department may extend indefinitely or for a specified period the time periods for final approval or denial of a modification request or for reclassifying a modification as a Class 3.

(7) The Department may deny or change the terms of a Class 2 permit modification request under paragraphs (b)(6) (i) through (iii) of this section for the following reasons:

(i) The modification request is incomplete;

(ii) The requested modification does not comply with the appropriate requirements of Part 264 or other applicable requirements; or

(iii) The conditions of the modification fail to protect human health and the environment.

(8) The permittee may perform any construction associated with a Class 2 permit modification request beginning 60 days after the submission of the request unless the Department establishes a later date for commencing construction and informs the permittee in writing before day 60.

(c) Class 3 modifications. (6/97)

(1) For Class 3 modifications listed in Appendix I of this section, the permittee must submit a modification request to the Department that:

(i) Describes the exact change to be made to the permit conditions and supporting documents referenced by the permit;

(ii) Identifies that the modification is a Class 3 modification;

(iii) Explains why the modification is needed; and

(iv) Provides the applicable information required by 270.13 through 270.22, 270.62, 270.63, and 270.66.

(2) The permittee must send a notice of the modification request to all persons on the facility mailing list maintained by the Department and to the appropriate units of State and local government as specified in 124.10(c) and must publish this notice in a major local newspaper of general circulation. This notice must be mailed and published within seven days before or after the date of submission of the modification request, and the permittee must provide to the Department evidence of the mailing and publication. The notice must include:

(i) Announcement of a 60-day comment period, and a name and address of a Department contact to whom comments must be sent;

(ii) Announcement of the date, time, and place for a public meeting on the modification request, in accordance with 270.42(c)(4);

(iii) Name and telephone number of the permittee's contact person;

(iv) Name and telephone number of a Department contact person;

(v) Location where copies of the modification request and any supporting documents can be viewed and copied; and

(vi) The following statement: "The permittee's compliance history during the life of the permit being modified is available from the Department contact person."

(3) The permittee must place a copy of the permit modification request and supporting documents in a location accessible to the public in the vicinity of the permitted facility.

(4) The permittee must hold a public meeting no earlier than 15 days after the publication of the notice required in paragraph (c)(2) of this section and no later than 15 days before the close of the 60-day comment period. The meeting must be held to the extent practicable in the vicinity of the permitted facility.

(5) The public shall be provided at least 60 days to comment on the modification request. The comment period will begin on the date the permittee publishes the notice in the local newspaper. Comments should be submitted to the Department contact identified in the notice.

(6) After the conclusion of the 60-day comment period, the Department must grant or deny the permit modification request according to the permit modification procedures of Part 124. In addition, the Department must consider and respond to all significant written comments received during the 60-day comment period.

(d) Other modifications.

(1) In the case of modifications not explicitly listed in Appendix I of this section, the permittee may submit a Class 3 modification request to the Department, or he or she may request a determination by the Department that the modification should be reviewed and approved as a Class 1 or Class 2 modification. If the permittee requests that the modification be classified as a Class 1 or Class 2 modification, he or she must provide the Department with the necessary information to support the requested classification. (6/97)

(2) The Department shall make the determination described in paragraph (d)(1) of this section as promptly as practicable. In determining the appropriate class for a specific modification, the Department shall consider the similarity of the modification to other modifications codified in Appendix I and the following criteria:

(i) Class 1 modifications apply to minor changes that keep the permit current with routine changes to the facility or its operation. These changes do not substantially alter the permit conditions or reduce the ability of the facility to protect human

health or the environment. In the case of Class 1 modifications, the Department may require prior approval. (6/97)

(ii) Class 2 modifications apply to changes that are necessary to enable a permittee to respond, in a timely manner, to,

(A) Common variations in the types and quantities of the wastes managed under the facility permit,

(B) Technological advancements, and

(C) Changes necessary to comply with new regulations, where these changes can be implemented without substantially changing design specifications or management practices in the permit.

(iii) Class 3 modifications substantially alter the facility or its operation.

(e) Temporary authorizations.

(1) Upon request of the permittee, the Department may, without prior public notice and comment, grant the permittee a temporary authorization in accordance with this subsection. Temporary authorizations must have a term of not more than 180 days.

(2) (i) The permittee may request a temporary authorization for:

(A) Any Class 2 modification meeting the criteria in paragraph (e)(3)(ii) of this section, and

(B) Any Class 3 modification that meets the criteria in paragraph (3)(ii)(A) or (B) of this section; or that meets the criteria in paragraphs (3)(ii)(C) through (E) of this section and provides improved management or treatment of a hazardous waste already listed in the facility permit. (12/93)

(ii) The temporary authorization request must include:

(A) A description of the activities to be conducted under the temporary authorization;

(B) An explanation of why the temporary authorization is necessary; and

(C) Sufficient information to ensure compliance with Part 264 standards.

(iii) The permittee must send a notice about the temporary authorization request to all persons on the facility mailing list maintained by the Department and to appropriate units of State and local governments as specified in 124.10(c). This notification must be made within seven days of submission of the authorization request. (6/97)

(3) The Department shall approve or deny the temporary authorization as quickly as practical. To issue a temporary authorization, the Department must find:

(i) The authorized activities are in compliance with the standards of Part 264.

(ii) The temporary authorization is necessary to achieve one of the following objectives

**270.42 Permit modification at the request of the permittee (5/93, 6/97)**

before action is likely to be taken on a modification request:

(A) To facilitate timely implementation of closure or corrective action activities;

(B) To allow treatment or storage in tanks or containers, or in containment buildings in accordance with Part 268; (12/93)

(C) To prevent disruption of ongoing waste management activities;

(D) To enable the permittee to respond to sudden changes in the types or quantities of the wastes managed under the facility permit; or

(E) To facilitate other changes to protect human health and the environment.

(4) A temporary authorization may be reissued for one additional term of up to 180 days provided that the permittee has requested a Class 2 or 3 permit modification for the activity covered in the temporary authorization, (12/94, 6/97) and:

(i) The reissued temporary authorization constitutes the Department's decision on a Class 2 permit modification in accordance with paragraph (b)(6)(i)(D) or (ii)(D) of this section, or (12/93; 6/95, 6/97)

(ii) The Department determines that the reissued temporary authorization involving a Class 3 permit modification request is warranted to allow the authorized activities to continue while the modification procedures of paragraph (b) of this section are conducted. (12/93, 6/95, 9/98)

(f) Public notice and appeals of permit modification decisions. (6/97)

(1) The Department shall notify persons on the facility mailing list and appropriate units of State and local government within 10 days of any decision under this section to grant or deny a Class 2 or 3 permit modification request. The Department shall also notify such persons within 10 days after an automatic authorization for a Class 2 modification goes into effect under 270.42(b)(6)(iii) or (v).

(2) The Department's decision to grant or deny a Class 2 or 3 permit modification request under this section may be appealed under the permit appeal procedures described in 124.19.

(3) An automatic authorization that goes into effect under 270.42(b)(6)(iii) or (v) may be appealed under the permit appeal procedures described in 124.19; however, the permittee may continue to conduct the activities pursuant to the automatic authorization until the appeal has been granted pursuant to 124.19, notwithstanding the provisions of 124.15(b).

(g) Newly regulated wastes and units. (5/93, 6/97)

(1) The permittee is authorized to continue to manage wastes listed or identified as hazardous under 261 or to continue to manage hazardous waste in units

newly regulated as hazardous waste management units, if:

(i) The unit was in existence as a hazardous waste facility with respect to the newly listed or characterized waste or newly regulated waste management unit on the effective date of the final rule listing or identifying the waste, or regulating the unit;

(ii) The permittee submits a Class 1 modification request on or before the date on which the waste or unit becomes subject to the new requirements; (6/03)

(iii) The permittee is in compliance with the applicable standards of Part 265 and 266;

(iv) The permittee also submits a complete Class 2 or 3 permit modification request within 180 days of the effective date of the rule listing or identifying the waste, or subjecting the unit to RCRA Subtitle C management standards; (12/93)

(v) In the case of land disposal units, the permittee certifies that each such unit is in compliance with all applicable requirements of 265 for groundwater monitoring and financial responsibility on the date 12 months after the effective date of the rule identifying or listing the waste as hazardous, or regulating the unit as a hazardous waste management unit. If the owner or operator fails to certify compliance with all these requirements, he or she will lose authority to operate under this section. (12/93)

(vi) As of December 25, 1992, any facility which fails to meet the federal requirements for a Class 1 permit modification request to continue to manage a newly regulated waste code promulgated pursuant to HSWA or to continue to manage hazardous waste in newly regulated units promulgated pursuant to HSWA shall also be denied the Class 1 modification request to continue to conduct such activity under State law.

(2) [Reserved]

(h) Military hazardous waste munitions treatment and disposal. The permittee is authorized to continue to accept waste military munitions notwithstanding any permit conditions barring the permittee from accepting off-site wastes, if: (9/98)

(1) The facility was in existence as a hazardous waste facility, and the facility was already permitted to handle the waste military munitions, on the date when the waste military munitions became subject to hazardous waste regulatory requirements;

(2) On or before the date when the waste military munitions become subject to hazardous waste regulatory requirements, the permittee submits a Class 1 modification request to remove or amend the permit provision restricting the receipt of off-site waste munitions; and

(3) The permittee submits a complete Class 2 modification request within 180 days of the date when

the waste military munitions became subject to hazardous waste regulatory requirements.

(i) Permit modification list. The Department must maintain a list of all approved permit modifications and must publish a notice once a year in a state-wide newspaper that an updated list is available for review. (9/98)

(j) Combustion facility changes to meet 40 CFR part 63 MACT standards. The following procedures apply to hazardous waste combustion facility permit modifications requested under Appendix I of this section, section L(9). (11/99, 8/00)

#### Appendix I to 270.42 - Classification of Permit Modification

(1) Facility owners or operators must comply with the Notification of Intent to Comply (NIC) requirements of 40 CFR 63.121 that were in effect prior to Oct 11, 2000, in order to request a permit modification under this section. (6/02, 6/03)

(2) If the Department does not approve or deny the request within 90 days of receiving it, the request shall be deemed approved. The Department may, at its discretion, extend this 90 day deadline one time for up to 30 days by notifying the facility owner or operator.

[k through o Reserved 5/93]

#### Appendix I to 270.42 - Classification of Permit Modification

Modifications	Class
<b>A. General Permit Provisions</b>	
1. Administrative and informational changes	1
2. Correction of typographical errors	1
3. Equipment replacement or upgrading with functionally equivalent components (e.g., pipes, valves, pumps, conveyors, controls)	1
4. Changes in the frequency of or procedures for monitoring, reporting, sampling, or maintenance activities by the permittee:	
a. To provide for more frequent monitoring, reporting, sampling, or maintenance.	1
b. Other changes.	2
5. Schedule of compliance:	
a. Changes in interim compliance dates, with prior approval of the Director.	<sup>1</sup> 1
b. Extension of final compliance date.	3
6. Changes in expiration date of permit to allow earlier permit termination, with prior approval of the Director.	<sup>1</sup> 1
7. Changes in ownership or operational control of a facility, provided the procedures of 270.40(b) are followed.	<sup>1</sup> 1
8. Changes to remove permit conditions that are no longer applicable (i.e., because the standards upon which they are based are no longer applicable to the facility). (6/03)	<sup>1</sup> 1
<b>B. General Facility Standards</b>	
1. Changes to waste sampling or analysis methods:	
a. To conform with agency guidance or regulations.	1
b. To incorporate changes associated with F039 (multi-source leachate) sampling or analysis methods.	1
c. To incorporate changes associated with underlying hazardous constituents in ignitable or corrosive wastes. (12/93)	<sup>1</sup> 1
d. Other changes. (moved 12/93)	2
2. Changes to analytical quality assurance/control plan:	
a. To conform with agency guidance or regulations.	1
b. Other changes.	2
3. Changes in procedures for maintaining the operating record.	<sup>1</sup> 1
4. Changes in frequency or content of inspection schedules.	2
5. Changes in the training plan:	
a. That affect the type or decrease the amount of training given to employees.	2
b. Other changes.	1
6. Contingency plan:	
a. Changes in emergency procedures (i.e., spill or release response procedures).	2
b. Replacement with functionally equivalent equipment, upgrade, or relocate emergency equipment listed.	1
c. Removal of equipment from emergency equipment list.	2
d. Changes in name, address, or phone number of coordinators or other persons or agencies identified in the plan.	1
7. Construction quality assurance plan: (12/93)	
a. Changes that the CQA officer certifies in the operating record will provide equivalent or better certainty that the unit components meet the design specifications.	1
b. Other changes.	2
<b>Note:</b> When a permit modification (such as introduction of a new unit) requires a change in facility plans or other general facility standards, that change shall be reviewed under the same procedures as the permit modification.	
<b>C. Groundwater Protection</b>	
1. Changes to wells:	

**Appendix I to 270.42 - Classification of Permit Modification**

Modifications	Class
a. Changes in the number, location, depth, or design of upgradient or downgradient wells of permitted groundwater monitoring system.	2
b. Replacement of an existing well that has been damaged or rendered inoperable, without change to location, design, or depth of the well.	1
2. Changes in groundwater sampling or analysis procedures or monitoring schedule, with prior approval of the Director.	<sup>1</sup> 1
3. Changes in statistical procedure for determining whether a statistically significant change in groundwater quality between upgradient and downgradient wells has occurred, with prior approval of the Director.	<sup>1</sup> 1
4. Changes in point of compliance.	<sup>1</sup> 2
5. Changes in indicator parameters, hazardous constituents, or concentration limits (including ACLs):	
a. As specified in the groundwater protection standard.	3
b. As specified in the detection monitoring program.	2
6. Changes to a detection monitoring program as required by 264.98(j), unless otherwise specified in this appendix.	2
7. Compliance monitoring program:	
a. Addition of compliance monitoring program as required by 264.98(h)(4) and 264.99.	3
b. Changes to a compliance monitoring program as required by 264.99(k), unless otherwise specified in this appendix.	2
8. Corrective action program:	
a. Addition of a corrective action program as required by 264.99(i)(2) and 264.100.	3
b. Changes to a corrective action program as required by 264.100(h), unless otherwise specified in this Appendix.	2
<i>D. Closure</i>	
1. Changes to the closure plan:	
a. Changes in estimate of maximum extent of operations or maximum inventory of waste onsite at any time during the active life of the facility, with prior approval of the Director.	<sup>1</sup> 1
b. Changes in the closure schedule for any unit, changes in the final closure schedule for the facility, or extension of the closure period, with prior approval of the Director.	<sup>1</sup> 1
c. Changes in the expected year of final closure, where other permit conditions are not changed, with prior approval of the Director.	<sup>1</sup> 1
d. Changes in procedures for decontamination of facility equipment or structures, with prior approval of the Director.	<sup>1</sup> 1
e. Changes in approved closure plan resulting from unexpected events occurring during partial or final closure, unless otherwise specified in this appendix.	2
f. Extension of the closure period to allow a landfill, surface impoundment or land treatment unit to receive nonhazardous wastes after final receipt of hazardous wastes under 264.113 (d) and (e).	2
2. Creation of a new landfill unit as part of closure.	3
3. Addition of the following new units to be used temporarily for closure activities:	
a. Surface impoundments.	3
b. Incinerators.	3
c. Waste piles that do not comply with 264.250(c).	3
d. Waste piles that comply with 264.250(c).	2
e. Tanks or containers (other than specified below).	2
f. Tanks used for neutralization, dewatering, phase separation, or component separation, with prior approval of the Director.	<sup>1</sup> 1
g. Staging piles (8/00)	2
<i>E. Postclosure</i>	
1. Changes in name, address, or phone number of contact in postclosure plan.	1
2. Extension of postclosure care period.	2
3. Reduction in the postclosure care period.	3
4. Changes to the expected year of final closure, where other permit conditions are not changed.	1
5. Changes in postclosure plan necessitated by events occurring during the active life of the facility, including partial and final closure.	2
<i>F. Containers</i>	
1. Modification or addition of container units:	
a. Resulting in an increase in the facility's container storage capacity.	3
b. Not resulting in an increase in the facility's container storage capacity.	2
2:	
a. Modification of a container unit without increasing the capacity of the unit.	2
b. Addition of a roof to a container unit without alteration of the containment system.	<sup>1</sup> 1
3. Storage of different wastes in containers:	
a. That require additional or different management practices from those authorized in the permit.	3
b. That do not require additional or different management practices from those authorized in the permit.	2



**Appendix I to 270.42 - Classification of Permit Modification**

Modifications	Class
Note: See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
<i>G. Tanks</i>	
1:	
a. Modification or addition of tank units resulting in an increase in the facility's tank capacity.	3
b. Modification or addition of tank units not resulting in an increase in the facility's tank capacity.	2
c. Addition of a new tank that will operate for more than 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation, or component separation.	3
d. After prior approval of the Director, addition of a new tank that will operate for up to 90 days using any of the following physical or chemical treatment technologies: neutralization, dewatering, phase separation, or component separation.	3
2. Modification of a tank unit or secondary containment system without increasing the capacity of the unit.	2
3. Replacement of a tank with a tank that meets the same design standards and has a capacity less than or equal to the capacity of the replaced tank provided.	1
- The capacity difference is no more than 1500 gallons,	
- The replacement tank meets the same conditions in the permit.	
4. Modification of a tank management practice.	2
5. Management of different wastes in tanks:	
a. That require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process from that authorized in the permit.	3
b. That do not require additional or different management practices, tank design, different fire protection specifications, or significantly different tank treatment process than authorized in the permit.	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
<i>H. Surface Impoundments</i>	
1. Modification or addition of surface impoundment units that result in increasing the facility's surface impoundment storage or treatment capacity.	3
2. Replacement of a surface impoundment unit.	3
3. Modification of a surface impoundment unit without increasing the facility's surface impoundment storage or treatment capacity and without modifying the unit's liner, leak detection system, or leachate collection system.	2
4. Modification of a surface impoundment management practice.	2
5. Treatment, storage, or disposal of different wastes in surface impoundments:	
a. That require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.	3
b. That do not require additional or different management practices or different design of the liner or leak detection system than authorized in the permit.	2
6. Modifications of unconstructed units to comply with 264.221(c), 264.222, 264.223, and 264.226(d). (12/93)	1
7. Changes in response action plan: (12/93)	
a. Increase in action leakage rate.	3
b. Change in a specific response reducing its frequency or effectiveness.	3
c. Other changes.	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
I. <i>Enclosed Waste Piles.</i> For all waste piles except those complying with 264.250(c), modifications are treated the same as for a landfill. The following modifications are applicable only to waste piles complying with 264.250(c).	
1. Modification or addition of waste pile units:	
a. Resulting in an increase in the facility's waste pile storage or treatment capacity.	3
b. Not resulting in an increase in the facility's waste pile storage or treatment capacity.	2
2. Modification of waste pile unit without increasing the capacity of the unit.	2
3. Replacement of a waste pile unit with another waste pile unit of the same design and capacity and meeting all waste pile conditions in the permit.	2
4. Modification of a waste pile management practice.	2
5. Storage or treatment of different wastes in waste piles:	
a. That require additional or different management practices or different design of the unit.	3
b. That do not require additional or different management practices or different design of the unit.	2
6. Conversion of an enclosed waste pile to a containment building unit. (12/93)	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
<i>J. Landfills and Unenclosed Waste Piles</i>	
1. Modification or addition of landfill units that result in increasing the facility's disposal capacity.	3
2. Replacement of a landfill.	3
3. Addition or modification of a liner, leachate collection system, leachate detection system, run-off control, or final cover system.	3

**Appendix I to 270.42 - Classification of Permit Modification**

Modifications	Class
4. Modification of a landfill unit without changing a liner, leachate collection system, leachate detection system, run-off control, or final cover system.	2
5. Modification of a landfill management practice.	2
6. Landfill different wastes:	
a. That require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system.	3
b. That do not require additional or different management practices, different design of the liner, leachate collection system, or leachate detection system.	2
7. Modifications of unconstructed units to comply with 264.251(c), 264.252, 264.253, 264.254(c), 264.301(c), 264.302, 264.303(c), and 264.304. (12/93)	<sup>1</sup> 1
8. Changes in response action plan: (12/93)	
a. Increase in action leakage rate.	3
b. Change in a specific response reducing its frequency or effectiveness.	3
c. Other changes.	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
<b>K. Land Treatment</b>	
1. Lateral expansion of or other modification of a land treatment unit to increase areal extent.	3
2. Modification of run-on control system.	2
3. Modify run-off control system	3
4. Other modifications of land treatment unit component specifications or standards required in permit.	2
5. Management of different wastes in land treatment units:	
a. That require a change in permit operating conditions or unit design specifications.	3
b. That do not require a change in permit operating conditions or unit design specifications.	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
6. Modification of a land treatment unit management practice to:	
a. Increase rate or change method of waste application.	3
b. Decrease rate of waste application.	1
7. Modification of a land treatment unit management practice to change measures of pH or moisture content, or to enhance microbial or chemical reactions.	2
8. Modification of a land treatment unit management practice to grow food chain crops, to add to or replace existing permitted crops with different food chain crops, or to modify operating plans for distribution of animal feeds resulting from such crops.	3
9. Modification of operating practice due to detection of releases from the land treatment unit pursuant to 264.278(g)(2).	3
10. Changes in the unsaturated zone monitoring system, resulting in a change to the location, depth, number of sampling points, or replace unsaturated zone monitoring devices or components of devices with devices or components that have specifications different from permit requirements.	3
11. Changes in the unsaturated zone monitoring system that do not result in a change to the location, depth, number of sampling points, or that replace unsaturated zone monitoring devices or components of devices with devices or components having specifications different from permit requirements.	2
12. Changes in background values for hazardous constituents in soil and soil-pore liquid.	2
13. Changes in sampling, analysis, or statistical procedure.	2
14. Changes in land treatment demonstration program prior to or during the demonstration.	2
15. Changes in any condition specified in the permit for a land treatment unit to reflect results of the land treatment demonstration, provided performance standards are met, and the Director's prior approval has been received.	<sup>1</sup> 1
16. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, provided the conditions for the second demonstration are substantially the same as the conditions for the first demonstration and have received the prior approval of the Director.	<sup>1</sup> 1
17. Changes to allow a second land treatment demonstration to be conducted when the results of the first demonstration have not shown the conditions under which the wastes can be treated completely, where the conditions for the second demonstration are not substantially the same as the conditions for the first demonstration.	3
18. Changes in vegetative cover requirements for closure.	2
<b>L. Incinerators, Boilers, and Industrial Furnaces:</b>	
1. Changes to increase any of the following limits authorized in the permit: A thermal feed rate limit, a feedstream feed rate limit, a chlorine/chloride feed rate limit, a metal feed rate limit, or an ash feed rate limit. The Director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.	3
2. Reserved.	
3. Modification of an incinerator, boiler, or industrial furnace unit by changing the internal size or geometry of the primary or secondary combustion units, by adding a primary or secondary combustion unit, by substantially changing the design of any	3

**Appendix I to 270.42 - Classification of Permit Modification**

Modifications	Class
component used to remove HCl/Cl <sub>2</sub> , metals, or particulate from the combustion gases, or by changing other features of the incinerator, boiler, or industrial furnace that could affect its capability to meet the regulatory performance standards. The Director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.	
4. Modification of an incinerator, boiler, or industrial furnace unit in a manner that would not likely affect the capability of the unit to meet the regulatory performance standards but which would change the operating conditions or monitoring requirements specified in the permit. The Director may require a new trial burn to demonstrate compliance with the regulatory performance standards.	2
5. Operating requirements:	
a. Modification of the limits specified in the permit for minimum or maximum combustion gas temperature, minimum combustion gas residence time, oxygen concentration in the secondary combustion chamber, flue gas carbon monoxide and hydrocarbon concentration, maximum temperature at the inlet to the particulate matter emission control system, or operating parameters for the air pollution control system. The Director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.	3
b. Modification of any stack gas emission limits specified in the permit, or modification of any conditions in the permit concerning emergency shutdown or automatic waste feed cutoff procedures or controls.	3
c. Modification of any other operating condition or any inspection or recordkeeping requirement specified in the permit.	2
6. Burning different wastes:	
a. If the waste contains a POHC that is more difficult to burn than authorized by the permit or if burning of the waste requires compliance with different regulatory performance standards than specified in the permit. The Director will require a new trial burn to substantiate compliance with the regulatory performance standards unless this demonstration can be made through other means.	3
b. If the waste does not contain a POHC that is more difficult to burn than authorized by the permit and if burning of the waste does not require compliance with different regulatory performance standards than specified in the permit.	2
<b>Note:</b> See 270.42(g) for modification procedures to be used for the management of newly listed or identified wastes.	
7. Shakedown and trial burn:	
a. Modification of the trial burn plan or any of the permit conditions applicable during the shakedown period for determining operational readiness after construction, the trial burn period, or the period immediately following the trial burn.	2
b. Authorization of up to an additional 720 hours of waste burning during the shakedown period for determining operational readiness after construction, with the prior approval of the Director.	<sup>1</sup> 1
c. Changes in the operating requirements set in the permit for conducting a trial burn, provided the change is minor and has received the prior approval of the Director.	<sup>1</sup> 1
d. Changes in the ranges of the operating requirements set in the permit to reflect the results of the trial burn, provided the change is minor and has received the prior approval of the Director.	<sup>1</sup> 1
8. Substitution of an alternative type of nonhazardous waste fuel that is not specified in the permit. (12/93)	1
9. Technology Changes Needed to meet Standards under 40 CFR part 63 (Subpart EEE - National Emission Standards for Hazardous Air Pollutants from Hazardous Waste Combustors), provided the procedures of 270.42(i) are followed. (11/99)	<sup>1</sup> 1
M. Containment Buildings. (12/93)	
1. Modification or addition of containment building units:	
a. Resulting in an increase in the facility's containment building storage or treatment capacity.	3
b. Not resulting in an increase in the facility's containment building storage or treatment capacity.	2
2. Modification of a containment building unit or secondary containment system without increasing the capacity of the unit.	2
3. Replacement of a containment building with a containment building that meets the same design standards provided:	
a. The unit capacity is not increased.	<sup>1</sup> 1
b. The replacement containment building meets the same conditions in the permit.	<sup>1</sup> 1
4. Modification of a containment building management practice.	2
5. Storage or treatment of different wastes in containment buildings:	
a. That require additional or different management practices.	3
b. That do not require additional or different management practices.	2
N. Corrective Action: (12/93)	
1. Approval of a corrective action management unit pursuant to 264.552.	3
2. Approval of a temporary unit or time extension for a temporary unit pursuant to 264.553.	2
3. Approval of a staging pile or staging pile operating term extension pursuant to 264.554 pursuant to 264.554 (8/00)	2

<sup>1</sup> Class 1 modifications requiring prior Department approval

**270.43 Termination of permits**

(a) The following are causes for terminating a permit during its term, or for denying a permit renewal application: (12/93)

(1) Noncompliance by the permittee with any condition of the permit;

(2) The permittee's failure in the application or during the permit issuance process to disclose fully all relevant facts, or the permittee's misrepresentation of any relevant facts at any time; or

(3) A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.

(4) Violation of any applicable requirement of the Hazardous Waste Management Act or of these Regulations promulgated pursuant to the Act; or

(5) Aiding, abetting, or permitting the violation of any provisions of the Hazardous Waste Management Act or any regulation pursuant to the Act.

(b) The Department shall follow the applicable procedures in 124 as appropriate in terminating any permit under this section. (12/93)

### **Subpart E - EXPIRATION AND CONTINUATION OF PERMITS**

**270.50 Duration of permits**

(a) Permits issued under these regulations shall be effective for a fixed term not to exceed 10 years for facilities and not to exceed 3 years for transporters. (12/93, 5/95, 6/97)

(b) Except as provided in section 270.51, the term of a permit shall not be extended by modification beyond the maximum duration specified in this section.

(c) The Department may issue any permit for a duration that is less than the full allowable term under this section.

(d) Each permit for a land disposal facility shall be reviewed by the Department five years after the date of permit issuance or reissuance and shall be modified as necessary as provided in 270.41. (5/95, 6/97)

**270.51 Continuation of expiring permits**

(a) The conditions of an expired permit continue in force until the effective date of a new permit (see 124.15) if: (12/93)

(1) The permittee has submitted a timely application under section 270.14 and the applicable sections in sections 270.15 through 270.29 which is a complete (under section 270.10(c)) application for a new permit; and

(2) The Department through no fault of the permittee, does not issue a new permit with an

effective date under 124.15 on or before the expiration date of the previous permit (for example, when issuance is impracticable due to time or resource constraints).

(b) Effect. Permits continued under this section remain fully effective and enforceable.

(c) Enforcement. When the permittee is not in compliance with the conditions of the expiring or expired permit, the Department may choose to do any or all of the following:

(1) Initiate enforcement action based upon the permit which has been continued;

(2) Issue a notice of intent to deny the new permit under 124.6. If the permit is denied, the owner or operator would then be required to cease the activities authorized by the continued permit or be subject to enforcement action for operating without a permit;

(3) Issue a new permit under 124 with appropriate conditions; or

(4) Take other actions authorized by these regulations.

### **Subpart F - SPECIAL FORMS OF PERMITS**

**270.60 Permits by rule**

Notwithstanding any other provision of this part or 124, the following shall be deemed to have a permit under these regulations if the conditions listed are met: (12/93)

(a) Ocean disposal barges or vessels. The owner or operator of a barge or other vessel which accepts hazardous waste for ocean disposal, if the owner or operator:

(1) Has a permit for ocean dumping issued under 40 CFR part 220 (Ocean Dumping, authorized by the Marine Protection, Research, and Sanctuaries Act, as amended, 33 U.S.C. 1420 et seq.);

(2) Complies with the conditions of that permit; and

(3) Complies with the following hazardous waste regulations:

- (i) 264.11, Identification number;
- (ii) 264.71, Use of manifest system;
- (iii) 264.72, Manifest discrepancies;
- (iv) 264.73(a) and (b)(1), Operating

record;

(v) 264.75, Quarterly report; and

(vi) 264.76, Unmanifested waste report.

(b) Injection wells. The owner or operator of an injection well disposing of hazardous waste, if the owner or operator:

(1) Has a permit for underground injection issued under R.61-87 Underground Injection Control Regulations; and

(2) Complies with the conditions of that permit;

(3) Complies with 264.101.

(c) Publicly owned treatment works. The owner or operator of a POTW which accepts for treatment hazardous waste, if the owner or operator:

- (1) Has an NPDES permit;
- (2) Complies with the conditions of that permit;

and

- (3) Complies with the following regulations:
  - (i) 264.11, Identification number;
  - (ii) 264.71, Use of manifest system;
  - (iii) 264.72, Manifest discrepancies;
  - (iv) 264.73(a) and (b)(1), Operating record;
  - (v) 264.75, Quarterly report;
  - (vi) 264.76, Unmanifested waste report;

and

- (vii) Complies with 264.101. (12/93)

(4) If the waste meets all Federal, State, and local pretreatment requirements which would be applicable to the waste if it were being discharged into the POTW through a sewer, pipe, or similar conveyance.

#### **270.61 Emergency permits**

(a) Notwithstanding any other provision of this part or 124 in the event the Department finds an imminent and substantial endangerment to human health or the environment the Department may issue a temporary emergency permit: (1) To a non-permitted facility to allow treatment, storage, or disposal of hazardous waste or (2) to a permitted facility to allow treatment, storage, or disposal of a hazardous waste not covered by an effective permit. (12/93)

(b) This emergency permit:

(1) May be oral or written. If oral, it shall be followed in five days by a written emergency permit; (12/93)

(2) Shall not exceed 90 days in duration; (12/93)

(3) Shall clearly specify the hazardous wastes to be received, and the manner and location of their treatment, storage, or disposal; (12/93)

(4) May be terminated by the Department at any time without process if it determines that termination is appropriate to protect human health and the environment;

(5) Shall be accompanied by a public notice published under 124.10 including: (9/98)

(i) Name and address of the office granting the emergency authorization;

(ii) Name and location of the permitted HWM facility;

(iii) A brief description of the wastes involved;

(iv) A brief description of the action authorized and reasons for authorizing it; and

#### **270.62 Hazardous waste incinerator permits (5/93)**

(v) Duration of the emergency permit; and

(6) Shall incorporate, to the extent possible and not inconsistent with the emergency situation, all applicable requirements of this part and parts 264 and 266. (12/93)

#### **270.62 Hazardous waste incinerator permits (5/93)**

When an owner or operator demonstrates compliance with the air emission standards and limitations in 40 CFR part 63, Subpart EEE, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with 264.345(a) and 264.345(c) if you elect to comply with 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with 270.10(k) and 270.32(b)(2). (6/03)

(a) For the purposes of determining operational readiness following completion of physical construction, the Department may establish permit conditions, including but not limited to allowable waste feeds and operating conditions in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to bring the incinerator to a point of operational readiness sufficient to conduct a trial burn, not to exceed 720 hours operating time for treatment of hazardous waste. The Department may extend the duration of this operational period once, for up to 720 additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to Section 270.42 (Permit modifications at the request of the permittee).

(1) Applicants must submit a statement, with Part B of the permit application, which suggests the conditions necessary to operate in compliance with the performance standards of 264.343 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates and the operating parameters identified in 264.345.

(2) The Department will review this statement and any other relevant information submitted with Part B of the permit application and specify requirements for this period sufficient to meet the performance standards of 264.343 based on its engineering judgment.

(b) For the purposes of determining feasibility of compliance with the performance standards of 264.343 and of determining adequate operating conditions under 264.345, the Department must establish conditions in the permit for a new hazardous

waste incinerator to be effective during the trial burn. (12/93)

(1) Applicants must propose a trial burn plan, prepared under paragraph (b)(2) of this section with a Part B of the permit application.

(2) The trial burn plan must include the following information:

(i) An analysis of each waste or mixture of wastes to be burned which includes:

(A) Heat value of the waste in the form and composition in which it will be burned.

(B) Viscosity (if applicable), or description of the physical form of the waste.

(C) An identification of any hazardous organic constituents listed in 261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in 261, Appendix VIII which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified, and the basis for the exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6, or other equivalent. (12/93)

(D) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6, or their equivalent. (12/93)

(ii) A detailed engineering description of the incinerator for which the permit is sought including:

(A) Manufacturer's name and model number of incinerator (if available).

(B) Type of incinerator.

(C) Linear dimensions of the incinerator unit including the cross sectional area of combustion chamber.

(D) Description of the auxiliary fuel system (type/feed).

(E) Capacity of prime mover.

(F) Description of automatic waste feed cut-off system(s).

(G) Stack gas monitoring and pollution control equipment.

(H) Nozzle and burner design.

(I) Construction materials.

(J) Location and description of temperature, pressure, and flow indicating and control devices.

(iii) A detailed description of sampling and monitoring procedures, including sampling and monitoring locations in the system, the equipment to

#### 270.62 Hazardous waste incinerator permits (5/93)

be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

(iv) A detailed test schedule for each waste for which the trial burn is planned including date(s), duration, quantity of waste to be burned, and other factors relevant to the Department decision under paragraph (b)(5) of this section.

(v) A detailed test protocol, including, for each waste identified, the ranges of temperature, waste feed rate, combustion gas velocity, use of auxiliary fuel, and any other relevant parameters that will be varied to affect the destruction and removal efficiency of the incinerator.

(vi) A description of, and planned operating conditions for, any emission control equipment which will be used.

(vii) Procedures for rapidly stopping waste feed, shutting down the incinerator, and controlling emissions in the event of an equipment malfunction.

(viii) Such other information as the Department reasonably finds necessary to determine whether to approve the trial burn plan in light of the purposes of this paragraph and the criteria in paragraph (b)(5) of this section.

(3) The Department, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this paragraph. (12/93)

(4) Based on the waste analysis data in the trial burn plan, the Department will specify as trial Principal Organic Hazardous Constituents (POHCs), those constituents for which destruction and removal efficiencies must be calculated during the trial burn. These trial POHCs will be specified by the Department based on its estimate of the difficulty of incineration of the constituents identified in the waste analysis, their concentration or mass in the waste feed, and, for wastes listed in 261, subpart D, the hazardous waste organic constituent or constituents identified in Appendix VII of that part as the basis for listing.

(5) The Department shall approve a trial burn plan if he finds that: (12/93)

(i) The trial burn is likely to determine whether the incinerator performance standard required by 264.343 can be met;

(ii) The trial burn itself will not present an imminent hazard to human health or the environment;

(iii) The trial burn will help the Department to determine operating requirements to be specified under 264.345; and

(iv) The information sought in paragraphs (b)(5) (i) and (ii) of this section cannot reasonably be developed through other means.

6) The Department must send a notice to all persons on the facility mailing list as set forth in

124.10(c)(1)(iv) and to the appropriate units of State and local government as set forth in 124.10(c)(1)(v) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the Department has issued such notice. (9/98)

(i) This notice must be mailed within a reasonable time period before the scheduled trial burn. An additional notice is not required if the trial burn is delayed due to circumstances beyond the control of the facility or the permitting agency.

(ii) This notice must contain:

(A) The name and telephone number of the applicant's contact person;

(B) The name and telephone number of the permitting agency's contact office;

(C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and

(D) An expected time period for commencement and completion of the trial burn.

(7) During each approved trial burn (or as soon after the burn as is practicable), the applicant must make the following determinations: (9/98)

(i) A quantitative analysis of the trial POHCs in the waste feed to the incinerator.

(ii) A quantitative analysis of the exhaust gas for the concentration and mass emissions of the trial POHCs, oxygen (O<sub>2</sub>) and hydrogen chloride (HCl).

(iii) A quantitative analysis of the scrubber water (if any), ash residues, and other residues, for the purpose of estimating the fate of the trial POHCs.

(iv) A computation of destruction and removal efficiency (DRE), in accordance with the DRE formula specified in 264.343(a) of this chapter.

(v) If the HCl emission rate exceeds 1.8 kilograms of HCl per hour (4 pounds per hour), a computation of HCl removal efficiency in accordance with 264.343(b) of this chapter.

(vi) A computation of particulate emissions, in accordance with 264.343(c) of this chapter.

(vii) An identification of sources of fugitive emissions and their means of control.

(viii) A measurement of average maximum, and minimum temperatures and combustion gas velocity.

(ix) A continuous measurement of carbon monoxide (CO) in the exhaust gas.

(x) Such other information as the Director may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in 264.343 of this chapter and to establish the operating conditions required by 264.345 of this

chapter as necessary to meet that performance standard.

(8) The applicant must submit to the Department a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and must submit the results of all the determinations required in paragraph (b)(6) of this section. This submission shall be made within 90 days of completion of the trial burn, or later if approved by the Department. (12/93)

(9) All data collected during any trial burn must be submitted to the Department following the completion of the trial burn.

(10) All submissions required by this paragraph must be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under 270.11.

(11) Based on the results of the trial burn, the Department shall set the operating requirements in the final permit according to 264.345. The permit modification shall proceed according to section 270.42. (12/93)

(c) For the purposes of allowing operation of a new hazardous waste incinerator following completion of the trial burn and prior to final modification of the permit conditions to reflect the trial burn results, the Department may establish permit conditions, including but not limited to allowable waste feeds and operating conditions sufficient to meet the requirements of 264.345 in the permit to a new hazardous waste incinerator. These permit conditions will be effective for the minimum time required to complete sample analysis, data computation and submission of the trial burn results by the applicant, and modification of the facility permit by the Department. (12/93)

(1) Applicants must submit a statement, with Part B of the permit application, which identifies the conditions necessary to operate in compliance with the performance standards of 264.343 during this period. This statement should include, at a minimum, restrictions on waste constituents, waste feed rates, and the operating parameters in section 264.345.

(2) The Department will review this statement and any other relevant information submitted with Part B of the permit application and specify those requirements for this period most likely to meet the performance standards of 264.343 based on his engineering judgment.

(d) For the purpose of determining feasibility of compliance with the performance standards of 264.343 and of determining adequate operating conditions under 264.345, the applicant for a permit for an existing hazardous waste incinerator must prepare and submit a trial burn plan and perform a trial burn in accordance with 270.19(b) and

#### **270.63 Permits for land treatment demonstrations using field test or laboratory analyses**

paragraphs (b)(2) through (b)(5) and (b)(7) through (b)(10) of this section or, instead, submit other information as specified in 270.19(c). The Department must announce its intention to approve the trial burn plan in accordance with the timing and distribution requirements of paragraph (b)(6) of this section. The contents of the notice must include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the permitting Department; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for Department approval of the plan and the time period during which the trial burn would be conducted. Applicants submitting information under 270.19(a) are exempt from compliance with 264.343 and 264.345 and, therefore, are exempt from the requirement to conduct a trial burn. Applicants who submit trial burn plans and receive approval before submission of a permit application must complete the trial burn and submit the results, specified in paragraph (b)(7) of this section, with Part B of the permit application. If completion of this process conflicts with the date set for submission of the Part B application, the applicant must contact the Department to establish a later date for submission of the Part B application or the trial burn results. Trial burn results must be submitted prior to issuance of the permit. When the applicant submits a trial burn plan with Part B of the permit application, the Department will specify a time period prior to permit issuance in which the trial burn must be conducted and the results submitted. (11/90, 12/92, 12/93, 9/98, 11/99, 8/00)

#### **270.63 Permits for land treatment demonstrations using field test or laboratory analyses**

(a) For the purpose of allowing an owner or operator to meet the treatment demonstration requirements of 264.272, the Department may issue a treatment demonstration permit. The permit must contain only those requirements necessary to meet the standards in 264.272(c). The permit may be issued either as a treatment or disposal permit covering only the field test or laboratory analyses, or as a two-phase facility permit covering the field tests, or laboratory analyses, and design, construction operation and maintenance of the land treatment unit. (12/93)

(1) The Department may issue a two-phase facility permit if he finds that, based on information submitted in Part B of the application, substantial, although incomplete or inconclusive, information already exists upon which to base the issuance of a facility permit.

(2) If the Department finds that not enough information exists upon which he can establish permit conditions to attempt to provide for compliance with all of the requirements of Subpart M, it will issue a treatment demonstration permit covering only the field test or laboratory analyses.

(b) If the Department finds that a phased permit may be issued, it will establish, as requirements in the first phase of the facility permit, conditions for conducting the field tests or laboratory analyses. These permit conditions will include design and operating parameters (including the duration of the tests or analyses and, in the case of field tests, the horizontal and vertical dimensions of the treatment zone), monitoring procedures, post-demonstration cleanup activities, and any other conditions which the Department finds may be necessary under 264.272(c). The Department will include conditions in the second phase of the facility permit to attempt to meet all subpart M requirements pertaining to unit design, construction, operation, and maintenance. The Department will establish these conditions in the second phase of the permit based upon the substantial but incomplete or inconclusive information contained in the Part B application.

(1) The first phase of the permit will be effective as provided in 124.15(b).

(2) The second phase of the permit will be effective as provided in paragraph (d) of this section.

(c) When the owner or operator who has been issued a two-phase permit has completed the treatment demonstration, he must submit to the Department a certification, signed by a person authorized to sign a permit application or report under section 270.11, that the field tests or laboratory analyses have been carried out in accordance with the conditions specified in phase one of the permit for conducting such tests or analyses. The owner or operator must also submit all data collected during the field tests or laboratory analyses within 90 days of completion of those tests or analyses unless the Department approves a later date.

(d) If the Department determines that the results of the field tests or laboratory analyses meet the requirements of 264.272, it will modify the second phase of the permit to incorporate any requirements necessary for operation of the facility in compliance with 264, subpart M, based upon the results of the field tests or laboratory analyses. ( 11/90)

(1) This permit modification may proceed under 270.42, or otherwise will proceed as a modification under section 270.41(a)(2). If such modifications are necessary, the second phase of the permit will become effective only after those modifications have been made.

(2) If no modifications of the second phase of the permit are necessary, the Department will give



notice of his final decision to the permit applicant and to each person who submitted written comments on the phased permit or who requested notice of the final decision on the second phase of the permit. The second phase of the permit then will become effective as specified in 124.15(b).

(3) If modifications under 124.15(a)(2) are necessary, the second phase of the permit will become effective only after those modifications have been made.

## 270.64 [Reserved]

## 270.65 Research Development, and Demonstration Permits

(a) The Department may issue a research, development, and demonstration permit for any hazardous waste treatment facility which proposes to utilize an innovative and experimental hazardous waste treatment technology or process for which permit standards for such experimental activity have not been promulgated under 264 or 266. Any such permit shall include such terms and conditions as will assure protection of human health and the environment. Such permits: (12/93)

(1) Shall provide for the construction of such facilities as necessary, and for operation of the facility for not longer than one year unless renewed as provided in paragraph (d) of this section, and (12/93)

(2) Shall provide for the receipt and treatment by the facility of only those types and quantities of hazardous waste which the Department deems necessary for purposes of determining the efficacy and performance capabilities of the technology or process and the effects of such technology or process on human health and the environment, and (12/93)

(3) Shall include such requirements as the Department deems necessary to protect human health and the environment (including, but not limited to, requirements regarding monitoring, operation, financial responsibility, closure, and remedial action), and such requirements as the Department deems necessary regarding testing and providing of information to the Department with respect to the operation of the facility. (12/93)

(b) For the purpose of expediting review and issuance of permits under this section, the Department may, consistent with the protection of human health and the environment, modify or waive permit application and permit issuance requirements in 124 and 270 except that there may be no modification or waiver of regulations regarding financial responsibility (including insurance) or of procedures regarding public participation.

(c) The Department may order an immediate termination of all operations at the facility at any time

it determines that termination is necessary to protect human health and the environment.

(d) Any permit issued under this section may be renewed not more than three times. Each such renewal shall be for a period of not more than 1 year. (11/90; 12/93)

## 270.66 Permits for boilers and industrial furnaces burning hazardous waste (12/95; 5/96)

When an owner or operator of a cement or lightweight aggregate kiln demonstrates compliance with the air emission standards and limitations in 40 CFR part 63, Subpart EEE, (i.e., by conducting a comprehensive performance test and submitting a Notification of Compliance), the requirements do not apply, except those provisions the Department determines are necessary to ensure compliance with 266.102(e)(1) and 266.102(e)(2)(iii) if you elect to comply with 270.235(a)(1)(i) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events. Nevertheless, the Department may apply the provisions, on a case-by-case basis, for purposes of information collection in accordance with 270.10(k) and 270.32(b)(2). (6/03)

(a) General. Owners and operators of new boilers and industrial furnaces (those not operating under the interim status standards of 266.103 of this chapter) are subject to paragraphs (b) through (f) of this section. Boilers and industrial furnaces operating under the interim status standards of 266.103 of this chapter are subject to paragraph (g) of this section.

(b) Permit operating periods for new boilers and industrial furnaces. A permit for a new boiler or industrial furnace shall specify appropriate conditions for the following operating periods:

(1) Pretrial burn period. For the period beginning with initial introduction of hazardous waste and ending with initiation of the trial burn, and only for the minimum time required to bring the boiler or industrial furnace to a point of operational readiness to conduct a trial burn, not to exceed 720 hours operating time when burning hazardous waste, the Director must establish in the Pretrial Burn Period of the permit conditions, including but not limited to, allowable hazardous waste feed rates and operating conditions. The Director may extend the duration of this operational period once, for up to 720 additional hours, at the request of the applicant when good cause is shown. The permit may be modified to reflect the extension according to 270.42.

(i) Applicants must submit a statement, with Part B of the permit application, that suggests the conditions necessary to operate in compliance with the standards of 266.104 through 266.107 of this chapter during this period. This statement should include, at a

minimum, restrictions on the applicable operating requirements identified in 266.102(e) of this chapter.

(ii) The Director will review this statement and any other relevant information submitted with Part B of the permit application and specify requirements for this period sufficient to meet the performance standards of 266.104 through 266.107 of this chapter based on his/her engineering judgment.

(2) Trial burn period. For the duration of the trial burn, the Director must establish conditions in the permit for the purposes of determining feasibility of compliance with the performance standards of 266.104 through 266.107 of this chapter and determining adequate operating conditions under 266.102(e) of this chapter. Applicants must propose a trial burn plan, prepared under paragraph (c) of this section, to be submitted with Part B of the permit application.

(3) Post-trial burn period.

(i) For the period immediately following completion of the trial burn, and only for the minimum period sufficient to allow sample analysis, data computation, and submission of the trial burn results by the applicant, and review of the trial burn results and modification of the facility permit by the Director to reflect the trial burn results, the Director will establish the operating requirements most likely to ensure compliance with the performance standards of 266.104 through 266.107 of this chapter based on his engineering judgment.

(ii) Applicants must submit a statement, with Part B of the application, that identifies the conditions necessary to operate during this period in compliance with the performance standards of 266.104 through 266.107 of this chapter. This statement should include, at a minimum, restrictions on the operating requirements provided by 266.102(e) of this chapter.

(iii) The Director will review this statement and any other relevant information submitted with Part B of the permit application and specify requirements for this period sufficient to meet the performance standards of 266.104 through 266.107 of this chapter based on his/her engineering judgment.

(4) Final permit period. For the final period of operation, the Director will develop operating requirements in conformance with 266.102(e) of this chapter that reflect conditions in the trial burn plan and are likely to ensure compliance with the performance standards of 266.104 through 266.107 of this chapter. Based on the trial burn results, the Director shall make any necessary modifications to the operating requirements to ensure compliance with the performance standards. The permit modification shall proceed according to 270.42.

(c) Requirements for trial burn plans. The trial burn plan must include the following information. The Director, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this paragraph:

(1) An analysis of each feed stream, including hazardous waste, other fuels, and industrial furnace feed stocks, as fired, that includes:

(i) Heating value, levels of antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, silver, thallium, total chlorine/chloride, and ash;

(ii) Viscosity or description of the physical form of the feed stream;

(2) An analysis of each hazardous waste, as fired, including:

(i) An identification of any hazardous organic constituents listed in appendix VIII, part 261, of this chapter that are present in the feed stream, except that the applicant need not analyze for constituents listed in appendix VIII that would reasonably not be expected to be found in the hazardous waste. The constituents excluded from analysis must be identified and the basis for this exclusion explained. The waste analysis must be conducted in accordance with analytical techniques specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6, or their equivalent. (12/93)

(ii) An approximate quantification of the hazardous constituents identified in the hazardous waste, within the precision produced by the analytical methods specified in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods," EPA Publication SW-846, as incorporated by reference in 260.11 and 270.6, or other equivalent. (12/93)

(iii) A description of blending procedures, if applicable, prior to firing the hazardous waste, including a detailed analysis of the hazardous waste prior to blending, an analysis of the material with which the hazardous waste is blended, and blending ratios.

(3) A detailed engineering description of the boiler or industrial furnace, including:

(i) Manufacturer's name and model number of the boiler or industrial furnace;

(ii) Type of boiler or industrial furnace;

(iii) Maximum design capacity in appropriate units;

(iv) Description of the feed system for the hazardous waste, and, as appropriate, other fuels and industrial furnace feedstocks;

(v) Capacity of hazardous waste feed system;

(vi) Description of automatic hazardous waste feed cutoff system(s); (12/93)

(vii) Description of any air pollution control system; and (12/93)

(viii) Description of stack gas monitoring and any pollution control monitoring systems.

(4) A detailed description of sampling and monitoring procedures including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

(5) A detailed test schedule for each hazardous waste for which the trial burn is planned, including date(s), duration, quantity of hazardous waste to be burned, and other factors relevant to the Director's decision under paragraph (b)(2) of this section.

(6) A detailed test protocol, including, for each hazardous waste identified, the ranges of hazardous waste feed rate, and, as appropriate, the feed rates of other fuels and industrial furnace feedstocks, and any other relevant parameters that may affect the ability of the boiler or industrial furnace to meet the performance standards in 266.104 through 266.107 of this chapter.

(7) A description of, and planned operating conditions for, any emission control equipment that will be used.

(8) Procedures for rapidly stopping the hazardous waste feed and controlling emissions in the event of an equipment malfunction.

(9) Such other information as the Director reasonably finds necessary to determine whether to approve the trial burn plan in light of the purposes of this paragraph and the criteria in paragraph (b)(2) of this section.

(d) Trial burn procedures.

(1) A trial burn must be conducted to demonstrate conformance with the standards of 266.104 through 266.107 of this chapter under an approved trial burn plan.

(2) The Director shall approve a trial burn plan if he/she finds that:

(i) The trial burn is likely to determine whether the boiler or industrial furnace can meet the performance standards of 266.104 through 266.107 of this chapter;

(ii) The trial burn itself will not present an imminent hazard to human health and the environment;

(iii) The trial burn will help the Director to determine operating requirements to be specified under 266.102(e) of this chapter; and

(iv) The information sought in the trial burn cannot reasonably be developed through other means.

(3) The Department must send a notice to all persons on the facility mailing list as set forth in 124.10(c)(1)(iv) and to the appropriate units of State and local government as set forth in 124.10(c)(1)(v) announcing the scheduled commencement and completion dates for the trial burn. The applicant may not commence the trial burn until after the Department has issued such notice. (9/98)

(i) This notice must be mailed within a reasonable time period before the trial burn. An additional notice is not required if the trial burn is delayed due to circumstances beyond the control of the facility or the permitting agency.

(ii) This notice must contain:

(A) The name and telephone number of applicant's contact person;

(B) The name and telephone number of the permitting agency contact office;

(C) The location where the approved trial burn plan and any supporting documents can be reviewed and copied; and

(D) An expected time period for commencement and completion of the trial burn.

(4) The applicant must submit to the Department a certification that the trial burn has been carried out in accordance with the approved trial burn plan, and must submit the results of all the determinations required in paragraph (c) of this section. This submission shall be made within 90 days of completion of the trial burn, or later if approved by the Department.

(5) All data collected during any trial burn must be submitted to the Department following completion of the trial burn.

(6) All submissions required by this paragraph must be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report under 270.11.

(e) Special procedures for DRE trial burns. When a DRE trial burn is required under 266.104(a) of this chapter, the Director will specify (based on the hazardous waste analysis data and other information in the trial burn plan) as trial Principal Organic Hazardous Constituents (POHCs) those compounds for which destruction and removal efficiencies must be calculated during the trial burn. These trial POHCs will be specified by the Director based on information including his/her estimate of the difficulty of destroying the constituents identified in the hazardous waste analysis, their concentrations or mass in the hazardous waste feed, and, for hazardous waste containing or derived from wastes listed in part 261, subpart D of this chapter, the hazardous waste organic

constituent(s) identified in Appendix VII of that part as the basis for listing.

(f) Determinations based on trial burn. During each approved trial burn (or as soon after the burn as is practicable), the applicant must make the following determinations:

(1) A quantitative analysis of the levels of antimony, arsenic, barium, beryllium, cadmium, chromium, lead, mercury, thallium, silver, and chlorine/chloride, in the feed streams (hazardous waste, other fuels, and industrial furnace feedstocks);

(2) When a DRE trial burn is required under 266.104(a) of this chapter:

(i) A quantitative analysis of the trial POHCs in the hazardous waste feed;

(ii) A quantitative analysis of the stack gas for the concentration and mass emissions of the trial POHCs; and

(iii) A computation of destruction and removal efficiency (DRE), in accordance with the DRE formula specified in 266.104(a) of this chapter;

(3) When a trial burn for chlorinated dioxins and furans is required under 266.104(e) of this chapter, a quantitative analysis of the stack gas for the concentration and mass emission rate of the 2,3,7,8-chlorinated tetra-octa congeners of chlorinated dibenzo-p-dioxins and furans, and a computation showing conformance with the emission standard;

(4) When a trial burn for particulate matter, metals, or HCl/Cl<sub>2</sub> is required under 266.105, 266.106 (c) or (d), or 266.107 (b)(2) or (c) of this chapter, a quantitative analysis of the stack gas for the concentrations and mass emissions of particulate matter, metals, or hydrogen chloride (HCl) and chlorine (Cl<sub>2</sub>), and computations showing conformance with the applicable emission performance standards;

(5) When a trial burn for DRE, metals, or HCl/Cl<sub>2</sub> is required under 266.104(a), 266.106 (c) or (d), or 266.107 (b)(2) or (c) of this chapter, a quantitative analysis of the scrubber water (if any), ash residues, other residues, and products for the purpose of estimating the fate of the trial POHCs, metals, and chlorine/chloride;

(6) An identification of sources of fugitive emissions and their means of control;

(7) A continuous measurement of carbon monoxide (CO), oxygen, and where required, hydrocarbons (HC), in the stack gas; and

(8) Such other information as the Director may specify as necessary to ensure that the trial burn will determine compliance with the performance standards in 266.104 through 266.107 of this chapter and to establish the operating conditions required by 266.102(e) of this chapter as necessary to meet those performance standards.

## **270.70 Qualifying for interim status**

(g) Interim status boilers and industrial furnaces.

For the purpose of determining feasibility of compliance with the performance standards of 266.104 through 266.107 of this chapter and of determining adequate operating conditions under 266.103 of this chapter, applicants owning or operating existing boilers or industrial furnaces operated under the interim status standards of 266.103 must either prepare and submit a trial burn plan and perform a trial burn in accordance with the requirements of this section or submit other information as specified in 270.22(a)(6). The Department must announce its intention to approve of the trial burn plan in accordance with the timing and distribution requirements of paragraph (d)(3) of this section. The contents of the notice must include: the name and telephone number of a contact person at the facility; the name and telephone number of a contact office at the permitting agency; the location where the trial burn plan and any supporting documents can be reviewed and copied; and a schedule of the activities that are required prior to permit issuance, including the anticipated time schedule for agency approval of the plan and the time periods during which the trial burn would be conducted. Applicants who submit a trial burn plan and receive approval before submission of the Part B permit application must complete the trial burn and submit the results specified in paragraph (f) of this section with the Part B permit application. If completion of this process conflicts with the date set for submission of the Part B application, the applicant must contact the Department to establish a later date for submission of the Part B application or the trial burn results. If the applicant submits a trial burn plan with Part B of the permit application, the trial burn must be conducted and the results submitted within a time period prior to permit issuance to be specified by the Department. (9/98)

## **270.67 [Reserved]**

## **270.68 Remedial Action Plans (RAPs).**

Remedial Action Plans (RAPs) are special forms of permits that are regulated under subpart H of this part. (8/00)

## **270.69 [Reserved]**

## **Subpart G - INTERIM STATUS**

## **270.70 Qualifying for interim status**

(a) Any person who owns or operates an "existing HWM facility" or a facility in existence on the effective date of statutory or regulatory amendments under the Act that render the facility subject to the requirement to have a permit under this regulation

shall have interim status and shall be treated as having been issued a permit to the extent he or she has: (12/93)

(1) Complied with the requirements of Section 44-56-120 of the S. C. Hazardous Waste Management Act pertaining to notification of hazardous waste activity and section 3010(a) of RCRA pertaining to notification of hazardous waste activity. (12/92)

[Comment: Some existing facilities may not be required to file a notification under section 3010(a) of RCRA. These facilities may qualify for interim status by meeting paragraph (a)(2) of this section.] (12/92; 12/93)

(2) Complied with the requirements of section 270.10 governing submission of Part A applications;

(3) Conducted the facility activity on an ongoing basis prior to the effective date of the statutory or regulatory changes.

(b) Failure to qualify for interim status. If the Department has reason to believe upon examination of a Part A application that it fails to meet the requirements of section 270.13, it shall notify the owner or operator in writing of the apparent deficiency. Such notice shall specify the grounds for the Department's belief that the application is deficient. The owner or operator shall have 30 days from receipt to respond to such a notification and to explain or cure the alleged deficiency in his Part A application. If, after such notification and opportunity for response, the Department determines that the application is deficient it may take appropriate enforcement action.

(c) Paragraph (a) of this section shall not apply to any facility which has been previously denied a permit or if authority to operate the facility under these regulations has been previously terminated.

(d) As of December 25, 1992, any facility which fails to qualify for federal interim status for a newly regulated waste code or a newly regulated waste management unit promulgated pursuant to HSWA or who lost interim status for failing to certify under HSWA for any newly promulgated waste code or waste management unit, is also denied interim status under State law (rule). (12/92, see also 270.72(a)(6) below)

### **270.71 Operation during interim status**

(a) During the interim status period the facility shall not:

(1) Treat, store, or dispose of hazardous waste not specified in Part A of the permit application;

(2) Employ processes not specified in Part A of the permit application; or

(3) Exceed the design capacities specified in Part A of the permit application.

(b) Interim status standards. During interim status, owners or operators shall comply with the interim status standards 265.

### **270.72 Changes during interim status**

(a) Except as provided in paragraph (b), the owner or operator of an interim status facility may make the following changes at the facility: (11/90)

(1) Treatment, storage, or disposal of new hazardous wastes not previously identified in Part A of the permit application (and, in the case of newly listed or identified wastes, addition of the units being used to treat, store, or dispose of the hazardous wastes on the effective date of the listing or identification) if the owner or operator submits a revised Part A permit application prior to such treatment, storage, or disposal;

(2) Increases in the design capacity of processes used at the facility if the owner or operator submits a revised Part A permit application prior to such a change (along with a justification explaining the need for the change) and the Department approves the changes because:

(i) There is a lack of available treatment, storage, or disposal capacity at other hazardous waste management facilities, or

(ii) The change is necessary to comply with a Federal, State, or local requirement.

(3) Changes in the processes for the treatment, storage, or disposal of hazardous waste or addition of processes if the owner or operator submits a revised Part A permit application prior to such change (along with a justification explaining the need for the change) and the Department approves the change because:

(i) The change is necessary to prevent a threat to human health and the environment because of an emergency situation, or

(ii) The change is necessary to comply with a Federal, State, or local requirement.

(4) Changes in the ownership or operational control of a facility if the new owner or operator submits a revised Part A permit application no later than 90 days prior to the scheduled change. When a transfer of operational control of a facility occurs, the old owner or operator shall comply with the requirements of part 265, subpart H (Financial Requirements), until the new owner or operator has demonstrated to the Department that he is complying with the requirements of that subpart. The new owner or operator must demonstrate compliance with subpart H requirements within six months of the date of the change in ownership or operational control of the facility. Upon demonstration to the Department by the new owner or operator of compliance with subpart H, the Department shall notify the old owner or operator in writing that he no longer needs to comply with

Subpart H as of the date of demonstration. All other interim status duties are transferred effective immediately upon the date of the change in ownership or operational control of the facility. (12/93)

(5) Changes made in accordance with an interim status corrective action order under Section 44-56-140 or issued by EPA under section 3008(h) or other Federal authority, or by a court in a judicial action brought by EPA or by an authorized State. Changes under this paragraph are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility. (12/92; 12/93)

(6) Addition of newly regulated units for the treatment, storage, or disposal of hazardous waste if the owner or operator submits a revised part A permit application on or before the date on which the unit becomes subject to the new requirements. (12/92; 12/93,11/99)

(b) Except as specifically allowed under this paragraph, changes listed under paragraph (a) of this section may not be made if they amount to reconstruction of the hazardous waste management facility. Reconstruction occurs when the capital investment in the changes to the facility exceeds 50 percent of the capital cost of a comparable entirely new hazardous waste management facility. If all other requirements are met, the following changes may be made even if they amount to a reconstruction: (11/90)

(1) Changes made solely for the purposes of complying with the requirements of 265.193 for tanks and ancillary equipment.

(2) If necessary to comply with Federal, State, or local requirements, changes to an existing unit, changes solely involving tanks or containers, or addition of replacement surface impoundments that satisfy the standards of this regulation or section 3004(o). (12/92)

(3) Changes that are necessary to allow owners or operators to continue handling newly listed or identified hazardous wastes that have been treated, stored, or disposed of at the facility prior to the effective date of the rule establishing the new listing or identification.

(4) Changes during closure of a facility or of a unit within a facility made in accordance with an approved closure plan.

(5) Changes necessary to comply with an interim status corrective action order issued under 44-56-140 or section 3008(h) or other authority, or by a court in a judicial proceeding, provided that such changes are limited to the treatment, storage, or disposal of solid waste from releases that originate within the boundary of the facility. (12/92)

(6) Changes to treat or store, in tanks, containers, or containment buildings, hazardous

#### **270.73 Termination of interim status (11/90)**

wastes subject to land disposal restrictions imposed by part 268 or 44-56-30 or RCRA section 3004, provided that such changes are made solely for the purpose of complying with part 268 or 44-56-30 or RCRA section 3004. (12/92; 12/93)

(7) Addition of newly regulated units under paragraph (a)(6) of this section. (12/92)

(8) Changes necessary to comply with standards under 40 CFR part 63, Subpart EEE - National Emission Standards for Hazardous Air Pollutants From Hazardous Waste Combustors.

#### **270.73 Termination of interim status (11/90)**

Interim status terminates when:

(a) Final administrative disposition of a permit application, except an application for a remedial action plan (RAP) under subpart H of this part, is made; or (8/00)

(b) Interim status is terminated as provided in Section 270.10(e)(5).

(c) For owners or operators of each land disposal facility which has been granted interim status prior to November 8, 1984, on November 8, 1985, unless:

(1) The owner or operator submits a Part B application for a permit for such facility prior to that date; and

(2) The owner or operator certifies that such facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(d) For owners or operators of each land disposal facility which is in existence on the effective date of statutory or regulatory amendments under the Act that render the facility subject to the requirement to have a permit under this regulation and which is granted interim status, twelve months after the date on which the facility first becomes subject to such permit requirement unless the owner or operator of such facility:

(1) Submits a Part B application for a permit for such facility before the date 12 months after the date on which the facility first becomes subject to such permit requirement; and

(2) Certifies that such facility is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(e) For owners or operators of any land disposal unit that is granted authority to operate under 270.72(a) (1), (2) or (3), on the date 12 months after the effective date of such requirement, unless the owner or operator certifies that such unit is in compliance with all applicable groundwater monitoring and financial responsibility requirements.

(f) For owners and operators of each incinerator facility which has achieved interim status prior to November 8, 1984, interim status terminates on

November 8, 1989, unless the owner or operator of the facility submits a Part B application for a permit for an incinerator facility by November 8, 1986. (12/92)

(g) For owners or operators of any facility (other than a land disposal or an incinerator facility) which has achieved interim status prior to November 8, 1984, interim status terminates on November 8, 1992, unless the owner or operator of the facility submits a Part B application for a permit for the facility by November 8, 1988. (12/92)

(h) The Department determines that a facility's continuing violation of the standards included in 265 could pose a threat to the health of persons or to the environment and efforts by the Department have proven unsuccessful in obtaining compliance. (6/89)

## **Subpart H - REMEDIAL ACTION PLANS (RAPs) (8/00)**

### **270.79 Why is this subpart written in a special format?**

This subpart is written in a special format to make it easier to understand the regulatory requirements. Like other regulations, this establishes enforceable legal requirements. For this Subpart, "I" and "you" refer to the owner/operator.

#### **General Information**

### **270.80 What is a RAP?**

(a) A RAP is a special form of RCRA permit that you, as an owner or operator, may obtain, instead of a permit issued under 270.3 through 270.66, to authorize you to treat, store, or dispose of hazardous remediation waste (as defined in 260.10 of this chapter) at a remediation waste management site. A RAP may only be issued for the area of contamination where the remediation wastes to be managed under the RAP originated, or areas in close proximity to the contaminated area, except as allowed in limited circumstances under 270.230.

(b) The requirements in 270.3 through 270.66 do not apply to RAPs unless those requirements for traditional RCRA permits are specifically required under 270.80 through 270.230. The definitions in 270.2 apply to RAPs.

(c) Notwithstanding any other provision of this part or part 124 of this chapter, any document that meets the requirements in this section constitutes a RCRA permit under RCRA section 3005(c).

(d) A RAP may be:

(1) A stand-alone document that includes only the information and conditions required by this subpart; or

(2) Part (or parts) of another document that includes information and/or conditions for other

### **270.90 Does my RAP grant me any rights or relieve me of any obligations?**

activities at the remediation waste management site, in addition to the information and conditions required by this subpart.

(e) If you are treating, storing, or disposing of hazardous remediation wastes as part of a cleanup compelled by Federal or State cleanup authorities, your RAP does not affect your obligations under those authorities in any way.

(f) If you receive a RAP at a facility operating under interim status, the RAP does not terminate your interim status.

### **270.85 When do I need a RAP?**

(a) Whenever you treat, store, or dispose of hazardous remediation wastes in a manner that requires a RCRA permit under 270.1, you must either obtain:

(1) A RCRA permit according to 270.3 through 270.66; or

(2) A RAP according to this subpart.

(b) Treatment units that use combustion of hazardous remediation wastes at a remediation waste management site are not eligible for RAPs under this Subpart.

(c) You may obtain a RAP for managing hazardous remediation waste at an already permitted RCRA facility. You must have these RAPs approved as a modification to your existing permit according to the requirements of 270.41 or 270.42 instead of the requirements in this Subpart. When you submit an application for such a modification, however, the information requirements in 270.42(a)(1)(i), (b)(1)(iv), and (c)(1)(iv) do not apply; instead, you must submit the information required under 270.110. When your permit is modified the RAP becomes part of the RCRA permit. Therefore when your permit (including the RAP portion) is modified, revoked and reissued, terminated or when it expires, it will be modified according to the applicable requirements in 270.40 through 270.42, revoked and reissued according to the applicable requirements in 270.41 and 270.43, terminated according to the applicable requirements in 270.43, and expire according to the applicable requirements in 270.50 and 270.51.

### **270.90 Does my RAP grant me any rights or relieve me of any obligations?**

The provisions of 270.4 apply to RAPs. (Note: The provisions of 270.4(a) provide you assurance that, as long as you comply with your RAP, the Department will consider you in compliance with Subtitle C of RCRA, and will not take enforcement actions against you. However, you should be aware of four exceptions to this provision that are listed in 270.4.)

**270.125 If I submit my RAP application as part of another document, what must I do?**

Applying for a RAP

**270.95 How do I apply for a RAP?**

To apply for a RAP, you must complete an application, sign it, and submit it to the Department according to the requirements in this subpart.

**270.100 Who must obtain a RAP?**

When a facility or remediation waste management site is owned by one person, but the treatment, storage or disposal activities are operated by another person, it is the operator's duty to obtain a RAP, except that the owner must also sign the RAP application.

**270.105 Who must sign the application and any required reports for a RAP?**

Both the owner and the operator must sign the RAP application and any required reports according to 270.11(a), (b), and (c). In the application, both the owner and the operator must also make the certification required under 270.11(d)(1). However, the owner may choose the alternative certification under 270.11(d)(2) if the operator certifies under 270.11(d)(1).

**270.110 What must I include in my application for a RAP?**

You must include the following information in your application for a RAP:

- (a) The name, address, and EPA identification number of the remediation waste management site;
- (b) The name, address, and telephone number of the owner and operator;
- (c) The latitude and longitude of the site;
- (d) The United States Geological Survey (USGS) or county map showing the location of the remediation waste management site;
- (e) A scaled drawing of the remediation waste management site showing:
  - (1) The remediation waste management site boundaries;
  - (2) Any significant physical structures; and
  - (3) The boundary of all areas on-site where remediation waste is to be treated, stored or disposed;
- (f) A specification of the hazardous remediation waste to be treated, stored or disposed of at the facility or remediation waste management site. This must include information on:
  - (1) Constituent concentrations and other properties of the hazardous remediation wastes that may affect how such materials should be treated and/or otherwise managed;
  - (2) An estimate of the quantity of these wastes; and
  - (3) A description of the processes you will use to treat, store, or dispose of this waste including

technologies, handling systems, design and operating parameters you will use to treat hazardous remediation wastes before disposing of them according to the LDR standards of part 268 of this chapter, as applicable;

(g) Enough information to demonstrate that operations that follow the provisions in your RAP application will ensure compliance with applicable requirements of parts 264, 266, and 268 of this chapter;

(h) Such information as may be necessary to enable the Department to carry out its duties under other Federal laws as is required for traditional RCRA permits under 270.14(b)(20);

(i) Any other information the Department decides is necessary for demonstrating compliance with this subpart or for determining any additional RAP conditions that are necessary to protect human health and the environment.

**270.115 What if I want to keep this information confidential?**

The South Carolina Freedom of Information Act may allow you to claim as confidential any or all of the information you submit to the Department under this subpart. You must assert any such claim at the time that you submit your RAP application or other submissions by stamping the words "confidential business information" on each page containing such information. If you do assert a claim at the time you submit the information, the Department will treat the information according to established procedures which will give you an opportunity to demonstrate that the information for which protection is sought falls into one of the exceptions under Code Section 30-4-40. If you do not assert a claim at the time you submit the information, the Department may make the information available to the public without further notice to you. The Department will deny any requests for confidentiality of your name and/or address.

**270.120 To whom must I submit my RAP application?**

You must submit your application for a RAP to the Department for approval.

**270.125 If I submit my RAP application as part of another document, what must I do?**

If you submit your application for a RAP as a part of another document, you must clearly identify the components of that document that constitute your RAP application.

Getting a RAP Approved



**270.130 What is the process for approving or denying my application for a RAP?**

(a) If the Department tentatively finds that your RAP application includes all of the information required by 270.110 and that your proposed remediation waste management activities meet the regulatory standards, the Department will make a tentative decision to approve your RAP application. The Department will then prepare a draft RAP and provide an opportunity for public comment before making a final decision on your RAP application, according to this subpart.

(b) If the Department tentatively finds that your RAP application does not include all of the information required by 270.110 or that your proposed remediation waste management activities do not meet the regulatory standards, the Department may request additional information from you or ask you to correct deficiencies in your application. If you fail or refuse to provide any additional information the Department requests, or to correct any deficiencies in your RAP application, the Department may make a tentative decision to deny your RAP application. After making this tentative decision, the Department will prepare a notice of intent to deny your RAP application ("notice of intent to deny") and provide an opportunity for public comment before making a final decision on your RAP application, according to the requirements in this Subpart. The Department may deny the RAP application either in its entirety or in part.

**270.135 What must the Department include in a draft RAP?**

If the Department prepares a draft RAP, it must include the:

(a) Information required under 270.110(a) through (f);

(b) The following terms and conditions:

(1) Terms and conditions necessary to ensure that the operating requirements specified in your RAP comply with applicable requirements of parts 264, 266, and 268 of this chapter (including any recordkeeping and reporting requirements). In satisfying this provision, the Department may incorporate, expressly or by reference, applicable requirements of parts 264, 266, and 268 of this chapter into the RAP or establish site-specific conditions as required or allowed by parts 264, 266, and 268 of this chapter;

(2) Terms and conditions in 270.30;

(3) Terms and conditions for modifying, revoking and reissuing, and terminating your RAP, as provided in 270.170; and

(4) Any additional terms or conditions that the Department determines are necessary to protect human health and the environment, including any

terms and conditions necessary to respond to spills and leaks during use of any units permitted under the RAP; and

(c) If the draft RAP is part of another document, as described in 270.80(d)(2), the Department must clearly identify the components of that document that constitute the draft RAP.

**270.140 What else must the Department prepare in addition to the draft RAP or notice of intent to deny?**

Once the Department has prepared the draft RAP or notice of intent to deny, it must then:

(a) Prepare a statement of basis that briefly describes the derivation of the conditions of the draft RAP and the reasons for them, or the rationale for the notice of intent to deny;

(b) Compile an administrative record, including:

(1) The RAP application, and any supporting data furnished by the applicant;

(2) The draft RAP or notice of intent to deny;

(3) The statement of basis and all documents cited therein (material readily available at the issuing Regional office or published material that is generally available need not be physically included with the rest of the record, as long as it is specifically referred to in the statement of basis); and

(4) Any other documents that support the decision to approve or deny the RAP; and

(c) Make information contained in the administrative record available for review by the public upon request.

**270.145 What are the procedures for public comment on the draft RAP or notice of intent to deny?**

(a) The Department must:

(1) Send notice to you of its intention to approve or deny your RAP application, and send you a copy of the statement of basis;

(2) Publish a notice of its intention to approve or deny your RAP application in a major local newspaper of general circulation;

(3) Broadcast its intention to approve or deny your RAP application over a local radio station; and

(4) Send a notice of its intention to approve or deny your RAP application to each unit of local government having jurisdiction over the area in which your site is located, and to each State agency having any authority under State law with respect to any construction or operations at the site.

(b) The notice required by paragraph (a) of this section must provide an opportunity for the public to submit written comments on the draft RAP or notice of intent to deny within at least 45 days.

**270.155 May the decision to approve or deny my RAP application be administratively appealed?**

(c) The notice required by paragraph (a) of this section must include:

(1) The name and address of the office processing the RAP application;

(2) The name and address of the RAP applicant, and if different, the remediation waste management site or activity the RAP will regulate;

(3) A brief description of the activity the RAP will regulate;

(4) The name, address and telephone number of a person from whom interested persons may obtain further information, including copies of the draft RAP or notice of intent to deny, statement of basis, and the RAP application;

(5) A brief description of the comment procedures in this section, and any other procedures by which the public may participate in the RAP decision;

(6) If a hearing is scheduled, the date, time, location and purpose of the hearing;

(7) If a hearing is not scheduled, a statement of procedures to request a hearing;

(8) The location of the administrative record, and times when it will be open for public inspection; and

(9) Any additional information the Department considers necessary or proper.

(d) If, within the comment period, the Department receives written notice of opposition to its intention to approve or deny your RAP application and a request for a hearing, the Department must hold an informal public hearing to discuss issues relating to the approval or denial of your RAP application. The Department may also determine on its own initiative that an informal hearing is appropriate. The hearing must include an opportunity for any person to present written or oral comments. Whenever possible, the Department must schedule this hearing at a location convenient to the nearest population center to the remediation waste management site and give notice according to the requirements in paragraph (a) of this section. This notice must, at a minimum, include the information required by paragraph (c) of this section and:

(1) Reference to the date of any previous public notices relating to the RAP application;

(2) The date, time and place of the hearing; and

(3) A brief description of the nature and purpose of the hearing, including the applicable rules and procedures.

**270.150 How will the Department make a final decision on my RAP application?**

(a) The Department must consider and respond to any significant comments raised during the public comment period, or during any hearing on the draft

RAP or notice of intent to deny, and revise your draft RAP based on those comments, as appropriate.

(b) If the Department determines that your RAP includes the information and terms and conditions required in 270.135, then it will issue a final decision approving your RAP and, in writing, notify you and all commenters on your draft RAP that your RAP application has been approved.

(c) If the Department determines that your RAP does not include the information required in 270.135, then it will issue a final decision denying your RAP and, in writing, notify you and all commenters on your draft RAP that your RAP application has been denied.

(d) If the Department's final decision is that the tentative decision to deny the RAP application was incorrect, it will withdraw the notice of intent to deny and proceed to prepare a draft RAP, according to the requirements in this subpart.

(e) When the Department issues its final RAP decision, it must refer to the procedures for appealing the decision under 270.155.

(f) Before issuing the final RAP decision, the Department must compile an administrative record. Material readily available at the Department or published materials which are generally available and which are included in the administrative record need not be physically included with the rest of the record as long as it is specifically referred to in the statement of basis or the response to comments. The administrative record for the final RAP must include information in the administrative record for the draft RAP (see 270.140(b)) and:

(1) All comments received during the public comment period;

(2) Tapes or transcripts of any hearings;

(3) Any written materials submitted at these hearings;

(4) The responses to comments;

(5) Any new material placed in the record since the draft RAP was issued;

(6) Any other documents supporting the RAP; and

(7) A copy of the final RAP.

(g) The Department must make information contained in the administrative record available for review by the public upon request.

**270.155 May the decision to approve or deny my RAP application be administratively appealed?**

(a) Any commenter on the draft RAP or notice of intent to deny, or any participant in any public hearing(s) on the draft RAP, may appeal the Department's decision to approve or deny your RAP application to the Department's Board under 124.19 of this chapter. Any person who did not file comments, or did not participate in any public hearing(s) on the

#### **270.175 For what reasons may the Department choose to modify my final RAP?**

draft RAP, may petition for administrative review only to the extent of the changes from the draft to the final RAP decision. Appeals of RAPs may be made to the same extent as for final permit decisions under 124.15 of this chapter (or a decision under 270.29 to deny a permit for the active life of a RCRA hazardous waste management facility or unit). Instead of the notice required under 124.19(c) and 124.10 of this chapter, the Department will give public notice of any grant of review of RAPs by the Board of Health and Environmental Control through the same means used to provide notice under 270.145. The notice will include:

- (1) The briefing schedule for the appeal as provided by the Board;
  - (2) A statement that any interested person may file an amicus brief with the Board; and
  - (3) The information specified in 270.145(c), as appropriate.
- (b) This appeal is a prerequisite to seeking judicial review of these actions.

#### **270.160 When does my RAP become effective?**

Your RAP becomes effective 15 days after the Department notifies you and all commenters that your RAP is approved unless:

- (a) The Department specifies a later effective date in its decision;
- (b) You or another person has appealed your RAP under 270.155 (if your RAP is appealed, and the request for review is granted under 270.155, conditions of your RAP are stayed according to 124.16 of this chapter); or
- (c) No commenters requested a change in the draft RAP, in which case the RAP becomes effective immediately when it is issued.

#### **270.165 When may I begin physical construction of new units permitted under the RAP?**

You must not begin physical construction of new units permitted under the RAP for treating, storing or disposing of hazardous remediation waste before receiving a finally effective RAP.

How May my RAP be Modified, Revoked and Reissued, or Terminated?

#### **270.170 After my RAP is issued, how may it be modified, revoked and reissued, or terminated?**

In your RAP, the Department must specify, either directly or by reference, procedures for future modifications, revocations and reissuance, or terminations of your RAP. These procedures must provide adequate opportunities for public review and comment on any modification, revocation and reissuance, or termination that would significantly

change your management of your remediation waste, or that otherwise merits public review and comment. If your RAP has been incorporated into a traditional RCRA permit, as allowed under 270.85(c), then the RAP will be modified according to the applicable requirements in 270.40 through 270.42, revoked and reissued according to the applicable requirements in 270.41 and 270.43, or terminated according to the applicable requirements of 270.43.

#### **270.175 For what reasons may the Department choose to modify my final RAP?**

(a) The Department may modify your final RAP on its own initiative only if one or more of the following reasons listed in this section exist(s). If one or more of these reasons do not exist, then the Department will not modify your final RAP, except at your request. Reasons for modification are:

- (1) You made material and substantial alterations or additions to the activity that justify applying different conditions;
- (2) The Department finds new information that was not available at the time of RAP issuance and would have justified applying different RAP conditions at the time of issuance;
- (3) The standards or regulations on which the RAP was based have changed because of new or amended statutes, standards or regulations, or by judicial decision after the RAP was issued;
- (4) If your RAP includes any schedules of compliance, the Department may find reasons to modify your compliance schedule, such as an act of God, strike, flood, or materials shortage or other events over which you as the owner/operator have little or no control and for which there is no reasonably available remedy;
- (5) You are not in compliance with conditions of your RAP;
- (6) You failed in the application or during the RAP issuance process to disclose fully all relevant facts, or you misrepresented any relevant facts at the time;

(7) The Department has determined that the activity authorized by your RAP endangers human health or the environment and can only be remedied by modifying; or

(8) You have notified the Department (as required in the RAP under 270.30(l)(3)) of a proposed transfer of a RAP.

(b) Notwithstanding any other provision in this section, when the Department reviews a RAP for a land disposal facility under 270.195, it may modify the permit as necessary to assure that the facility continues to comply with the currently applicable requirements in parts 124, 260 through 266 and 270 of this chapter.

(c) The Department will not reevaluate the suitability of the facility location at the time of RAP modification unless new information or standards indicate that a threat to human health or the environment exists that was unknown when the RAP was issued.

**270.180 For what reasons may the Department choose to revoke and reissue my final RAP?**

(a) The Department may revoke and reissue your final RAP on its own initiative only if one or more reasons for revocation and reissuance exist(s). If one or more reasons do not exist, then the Department will not modify or revoke and reissue your final RAP, except at your request. Reasons for modification or revocation and reissuance are the same as the reasons listed for RAP modifications in 270.175(a)(5) through (8) if the Department determines that revocation and reissuance of your RAP is appropriate.

(b) The Department will not reevaluate the suitability of the facility location at the time of RAP revocation and reissuance, unless new information or standards indicate that a threat to human health or the environment exists that was unknown when the RAP was issued.

**270.185 For what reasons may the Department choose to terminate my final RAP, or deny my renewal application?**

The Department may terminate your final RAP on its own initiative, or deny your renewal application for the same reasons as those listed for RAP modifications in 270.175(a)(5) through (7) if the Department determines that termination of your RAP or denial of your RAP renewal application is appropriate.

**270.190 May the decision to approve or deny a modification, revocation and reissuance, or termination of my RAP be administratively appealed?**

(a) Any commenter on the modification, revocation and reissuance or termination, or any person who participated in any hearing(s) on these actions, may appeal the Department's decision to approve a modification, revocation and reissuance, or termination of your RAP, according to 270.155. Any person who did not file comments or did not participate in any public hearing(s) on the modification, revocation and reissuance or termination, may petition for administrative review only of the changes from the draft to the final RAP decision.

**270.195 When will my RAP expire?**

RAPs must be issued for a fixed term, not to exceed 10 years, although they may be renewed upon approval by the Department in fixed increments of no more than ten years. In addition, the Department must review any RAP for hazardous waste land disposal five years after the date of issuance or reissuance and you or the Department must follow the requirements for modifying your RAP as necessary to assure that you continue to comply with currently applicable requirements in RCRA sections 3004 and 3005.

**270.200 How may I renew my RAP if it is expiring?**

If you wish to renew your expiring RAP, you must follow the process for application for and issuance of RAPs in this subpart.

**270.205 What happens if I have applied correctly for a RAP renewal but have not received approval by the time my old RAP expires?**

If you have submitted a timely and complete application for a RAP renewal, but the Department, through no fault of yours, has not issued a new RAP with an effective date on or before the expiration date of your previous RAP, your previous RAP conditions continue in force until the effective date of your new RAP or RAP denial.

**Operating Under Your RAP**

**270.210 What records must I maintain concerning my RAP?**

You are required to keep records of:

(a) All data used to complete RAP applications and any supplemental information that you submit for a period of at least 3 years from the date the application is signed; and

(b) Any operating and/or other records the Department requires you to maintain as a condition of your RAP.

**270.215 How are time periods in the requirements in this subpart and my RAP computed?**

(a) Any time period scheduled to begin on the occurrence of an act or event must begin on the day after the act or event. (For example, if your RAP specifies that you must close a staging pile within 180 days after the operating term for that staging pile expires, and the operating term expires on June 1, then June 2 counts as day one of your 180 days, and you would have to complete closure by November 28.)

(b) Any time period scheduled to begin before the occurrence of an act or event must be computed so that the period ends on the day before the act or event. (For example, if you are transferring ownership or operational control of your site, and wish to transfer your RAP, the new owner or operator must submit a

**270.230 May I perform remediation waste management activities under a RAP at a location removed from the area where the remediation wastes originated?**

revised RAP application no later than 90 days before the scheduled change. Therefore, if you plan to change ownership on January 1, the new owner/operator must submit the revised RAP application no later than October 3, so that the 90th day would be December 31.)

(c) If the final day of any time period falls on a weekend or legal holiday, the time period must be extended to the next working day. (For example, if you wish to appeal the Department's decision to modify your RAP, then you must petition the Department of Health and Environmental Control within 15 days after the Department has issued the final RAP decision. If the 30th day falls on Sunday, then you may submit your appeal by the Monday after. If the 30th day falls on July 4th, then you may submit your appeal by July 5th.)

(d) Except for filing petitions of final RAP decisions, whenever a party or interested person has the right to or is required to act within a prescribed period after the service of notice or other paper upon him by mail, 3 days must be added to the prescribed term. Petitions of RAP decisions must be received by the Clerk of the Board on or before the fifteenth day after you receive the final decision.

**270.220 How may I transfer my RAP to a new owner or operator?**

(a) If you wish to transfer your RAP to a new owner or operator, you must follow the requirements specified in your RAP for RAP modification to identify the new owner or operator, and incorporate any other necessary requirements. These modifications do not constitute "significant" modifications for purposes of 270.170. The new owner/operator must submit a revised RAP application no later than 90 days before the scheduled change along with a written agreement containing a specific date for transfer of RAP responsibility between you and the new permittees.

(b) When a transfer of ownership or operational control occurs, you as the old owner or operator must comply with the applicable requirements in part 264, subpart H (Financial Requirements), of this chapter until the new owner or operator has demonstrated that he is complying with the requirements in that subpart. The new owner or operator must demonstrate compliance with part 264, subpart H, of this chapter within six months of the date of the change in ownership or operational control of the facility or remediation waste management site. When the new owner/operator demonstrates compliance with part 264, subpart H, of this chapter to the Department, the Department will notify you that you no longer need to comply with part 264, subpart H, of this chapter as of the date of demonstration.

**270.225 What must the State report about noncompliance with RAPs?**

The State must report noncompliance with RAPs according to the provisions of 270.5.

Obtaining a RAP for an Off-Site Location

**270.230 May I perform remediation waste management activities under a RAP at a location removed from the area where the remediation wastes originated?**

(a) You may request a RAP for remediation waste management activities at a location removed from the area where the remediation wastes originated if you believe such a location would be more protective than the contaminated area or areas in close proximity.

(b) If the Department determines that an alternative location, removed from the area where the remediation waste originated, is more protective than managing remediation waste at the area of contamination or areas in close proximity, then the Department may approve a RAP for this alternative location.

(c) You must request the RAP, and the Department will approve or deny the RAP, according to the procedures and requirements in this subpart.

(d) A RAP for an alternative location must also meet the following requirements, which the Department must include in the RAP for such locations:

(1) The RAP for the alternative location must be issued to the person responsible for the cleanup from which the remediation wastes originated;

(2) The RAP is subject to the expanded public participation requirements in 124.31, 124.32, and 124.33 of this chapter;

(3) The RAP is subject to the public notice requirements in 124.10(c) of this chapter;

(4) The site permitted in the RAP may not be located within 61 meters or 200 feet of a fault which has had displacement in the Holocene time (you must demonstrate compliance with this standard through the requirements in 270.14(b)(11)) (See definitions of terms in 264.18(a) of this chapter);

Note to paragraph (d)(4): Sites located in political jurisdictions other than those listed in Appendix VI of Part 264 of this chapter, are assumed to be in compliance with this requirement.

(e) These alternative locations are remediation waste management sites, and retain the following benefits of remediation waste management sites:

(1) Exclusion from facility-wide corrective action under 264.101 of this chapter; and

(2) Application of 264.1(j) of this chapter in lieu of part 264, subparts B, C, and D, of this chapter.

**Subpart I - Integration with Maximum Achievable Control Technology (MACT) Standards (6/03)**

**270.235 Options for incinerators and cement and lightweight aggregate kilns to minimize emissions from startup, shutdown, and malfunction events.**

(a) Facilities with existing permits.

(1) Revisions to permit conditions after documenting compliance with MACT. The owner or operator of a RCRA-permitted incinerator, cement kiln, or lightweight aggregate kiln may request that the Department address permit conditions that minimize emissions from startup, shutdown, and malfunction events under any of the following options when requesting removal of permit conditions that are no longer applicable according to 264.340(b) and 266.100(b):

(i) Retain relevant permit conditions.

Under this option, the Department will:

(A) Retain permit conditions that address releases during startup, shutdown, and malfunction events, including releases from emergency safety vents, as these events are defined in the facility's startup, shutdown, and malfunction plan required under 63.1206(c)(2); and

(B) Limit applicability of those permit conditions only to when the facility is operating under its startup, shutdown, and malfunction plan.

(ii) Revise relevant permit conditions.

(A) Under this option, the Department will:

(1) Identify a subset of relevant existing permit requirements, or develop alternative permit requirements, that ensure emissions of toxic compounds are minimized from startup, shutdown, and malfunction events, including releases from emergency safety vents, based on review of information including the source's startup, shutdown, and malfunction plan, design, and operating history.

(2) Retain or add these permit requirements to the permit to apply only when the facility is operating under its startup, shutdown, and malfunction plan.

(B) Changes that may significantly increase emissions.

(1) You must notify the Department in writing of changes to the startup, shutdown, and malfunction plan or changes to the design of the source that may significantly increase emissions of toxic compounds from startup, shutdown, or malfunction events, including releases from emergency safety vents. You must notify the Department of such changes within five days of making such changes. You must identify in the notification recommended revisions to permit

conditions necessary as a result of the changes to ensure that emissions of toxic compounds are minimized during these events.

(2) The Department may revise permit conditions as a result of these changes to ensure that emissions of toxic compounds are minimized during startup, shutdown, or malfunction events, including releases from emergency safety vents either:

(i) Upon permit renewal, or, if warranted;

(ii) By modifying the permit under 270.41(a) or 270.42.

(iii) Remove permit conditions. Under this option:

(A) The owner or operator must document that the startup, shutdown, and malfunction plan required under 63.1206(c)(2) has been approved by the Department under 40 CFR 63.1206(c)(2)(ii)(B); and

(B) The Department will remove permit conditions that are no longer applicable according to 264.340(b) and 266.100(b).

(2) Addressing permit conditions upon permit reissuance. The owner or operator of an incinerator, cement kiln, or lightweight aggregate kiln that has conducted a comprehensive performance test and submitted to the Department a Notification of Compliance documenting compliance with the standards of 40 CFR part 63, Subpart EEE, may request in the application to reissue the permit for the combustion unit that the Department control emissions from startup, shutdown, and malfunction events under any of the following options:

(i) RCRA option A.

(A) Under this option, the Department will:

(1) Include, in the permit, conditions that ensure compliance with 264.345(a) and 264.345(c) or 266.102(e)(1) and 266.102(e)(2)(iii) to minimize emissions of toxic compounds from startup, shutdown, and malfunction events, including releases from emergency safety vents; and

(2) Specify that these permit requirements apply only when the facility is operating under its startup, shutdown, and malfunction plan.; or

(ii) RCRA option B.

(A) Under this option, the Department will:

(1) Include, in the permit conditions, that ensure emissions of toxic compounds are minimized from startup, shutdown, and malfunction events, including releases from emergency safety vents, based on review of information including the source's startup, shutdown, and malfunction plan, design, and operating history; and

**270.235 Options for incinerators and cement and lightweight aggregate kilns to minimize emissions from startup, shutdown, and malfunction events.**

(2) Specify that these permit requirements apply only when the facility is operating under its startup, shutdown, and malfunction plan.

(B) Changes that may significantly increase emissions.

(1) You must notify the Department in writing of changes to the startup, shutdown, and malfunction plan or changes to the design of the source that may significantly increase emissions of toxic compounds from startup, shutdown, or malfunction events, including releases from emergency safety vents. You must notify the Department of such changes within five days of making such changes. You must identify in the notification recommended revisions to permit conditions necessary as a result of the changes to ensure that emissions of toxic compounds are minimized during these events.

(2) The Department may revise permit conditions as a result of these changes to ensure that emissions of toxic compounds are minimized during startup, shutdown, or malfunction events, including releases from emergency safety vents either:

(i) Upon permit renewal, or, if warranted;

(ii) By modifying the permit under 270.41(a) or 270.42; or

(iii) CAA option. Under this option:

(A) The owner or operator must document that the startup, shutdown, and malfunction plan required under 40 CFR 63.1206(c)(2) has been approved by the Department under 63.1206(c)(2)(ii)(B); and

(B) The Department will omit from the permit conditions that are not applicable under 264.340(b) and 266.100(b).

(b) Interim status facilities.

(1) Interim status operations. In compliance with 265.340 and 266.100(b), the owner or operator of an incinerator, cement kiln, or lightweight aggregate kiln that is operating under the interim status standards of part 265 or 266 may control emissions of toxic compounds during startup, shutdown, and malfunction events under either of the following options after conducting a comprehensive performance test and submitting to the Department a Notification of Compliance documenting compliance with the standards of 40 CFR part 63, Subpart EEE:

(i) RCRA option. Under this option, the owner or operator continues to comply with the interim status emission standards and operating requirements of part 265 or 266 relevant to control of emissions from startup, shutdown, and malfunction events. Those standards and requirements apply only during startup, shutdown, and malfunction events; or

(ii) CAA option. Under this option, the owner or operator is exempt from the interim status standards of part 265 or 266 relevant to control of emissions of toxic compounds during startup, shutdown, and malfunction events upon submission of written notification and documentation to the Department that the startup, shutdown, and malfunction plan required under 63.1206(c)(2) has been approved by the Department under 63.1206(c)(2)(ii)(B).

(2) Operations under a subsequent RCRA permit. When an owner or operator of an incinerator, cement kiln, or lightweight aggregate kiln that is operating under the interim status standards of parts 265 or 266 submits a RCRA permit application, the owner or operator may request that the Department control emissions from startup, shutdown, and malfunction events under any of the options provided by (a)(2)(i), (a)(2)(ii), or (a)(2)(iii).